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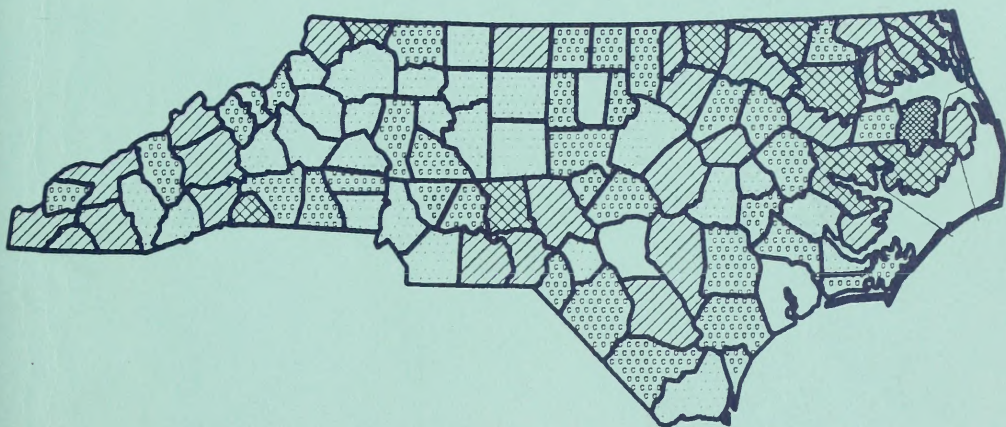
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Leading Causes of Mortality



north carolina
vital statistics
1977 volume 2

LEADING CAUSES OF MORTALITY

NORTH CAROLINA
VITAL STATISTICS
1977 VOLUME 2

NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
ADMINISTRATIVE SERVICES SECTION
PUBLIC HEALTH STATISTICS BRANCH
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November 1978

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NORTH CAROLINA DHR REGIONS

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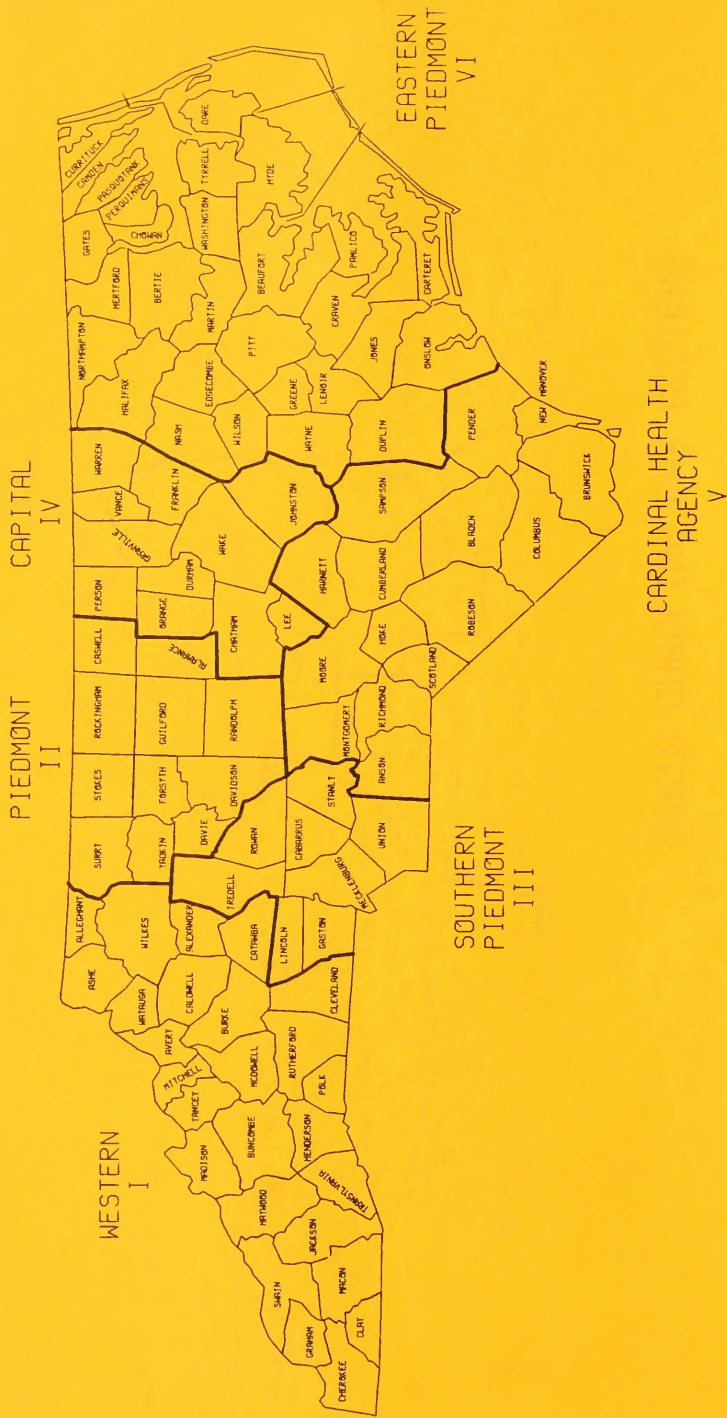
WESTERN
I

SOUTH
CENTRAL
III

EASTERN IV



NORTH CAROLINA HEALTH SERVICE AREAS



I. INTRODUCTION

Triennially, the Public Health Statistics Branch produces a major publication describing North Carolina's mortality experience for a five-year period. Those volumes include mapped, tabular and trend data as well as narrated analyses for leading causes of death in the state's 100 counties. In the interim, supportive reports of the mapped and tabular data are published annually.

The present volume is a supportive report which may be used in conjunction with the 1972-76 publication for purposes of current health planning and analysis. The Public Health Statistics Branch will also continue to publish the report Detailed Mortality Statistics which provides annual counts of deaths classified according to underlying causes of death and the age, race and sex of decedents.

The tables of this report provide selected mortality statistics for counties, Department of Human Resources Regions, Health Service Areas, and the state (see maps on preceding pages). More than a dozen of North Carolina's leading causes of mortality are depicted in these tables and corresponding maps; in addition, various cancer sites are also tabled and mapped. Total infant mortality data are shown in Table 28 and Figure 28, and Table 1 on page 13 describes the cause of death categories in terms of codes from the International Classification of Diseases, Adapted.

Beginning with 1975 events, multiple conditions present at death are being coded such that we now have statistics relative to underlying causes of death (Tables 1-27 and corresponding Figures) as well as all conditions present at death and reported by the certifier (Tables 29 and 30). Three diseases in particular—hypertension, arteriosclerosis and diabetes—are considered associated conditions far more often than they are considered an underlying cause; hence, Figures 29.A-31.B display 1975-77 county rates for deaths associated with a mention of each of these diseases. Series A maps (black) are observed rates while series B maps (red) are age-race-sex-adjusted rates.

IN USING THIS VOLUME, PARTICULAR ATTENTION IS CALLED TO THE SECTION ON INTERPRETATION GIVEN ON PAGES 8 and 9.

II. NORTH CAROLINA MORTALITY TRENDS FROM 1973 THROUGH 1977

After reaching its highest peak in more than thirty years during 1972, North Carolina's general mortality rate declined between 1973 and 1975. From a 1973 rate of 9.0 deaths per 1,000 population, the 1975 death rate dropped to 8.4, where it remained through 1977. This rate is the lowest since 1962. While the decline involved both race groups, it was not shared equally by them. Nonwhites experienced the greatest percentage decline: 10% compared to 5% for whites.

The trend since 1968 marks an even greater decline among nonwhites. In 1968, the nonwhite mortality rate was 25% higher than the white rate; in 1973 it was 19% higher; and in 1977, 12% higher.

Although the gap between whites and nonwhites has diminished, the margin between North Carolina males and females remained wide. Males experienced a 41% higher mortality rate than females in 1973. In 1977, the male rate was 43% higher. The male death rate is not increasing; rather, the mortality rate for females is declining faster. From 1973 through 1977, the male rate decreased 6% from 10.6 to 10.0 per 1,000 population. At the same time, the rate for females declined 7% from 7.5 to 7.0.

Of the four race-sex groups, nonwhite males had the highest 1977 mortality rate (11.2) followed by white males (9.6), nonwhite females (7.4) and white females (6.8).

Not only have mortality rates recently declined for all race-sex groups but for all eight age groups studied as well. Whites have lower mortality rates than nonwhites in every age group. The 1977 nonwhite rate was approximately twice as high in the 0-4, 25-34, 35-44, and 45-54 age groups. The higher nonwhite rate in the 0-4 age group was compounded by a larger decline among whites of the same age during the period 1973-1977. However, for the six age groups from 5-14 to 55-64, the percentage decline in mortality rates was greater among nonwhites by substantial margins.

Of the 26 selected causes of death tabled in this volume, 18 reflect declining rates from 1973 to 1977. Heart disease, long the leading cause of death in the state and nation, declined about 6% from a rate of 326.3 per 100,000 population in 1973 to 306.4 in 1977. Cerebrovascular diseases, the third leading cause of death, declined 18% from a rate of 110.8 to 90.9. Deaths from motor vehicle accidents declined 27%, dropping from a 1973 rate of 35.7 to the 1977 rate of 26.1. This decline was largely the result of the 1974 decision to lower the maximum speed limit to 55 miles per hour.

The selected causes of death in this volume represent 86% of North Carolina's total resident mortality in 1977. Of these causes, only cancer, nephritis and nephrosis, and chronic obstructive lung disease have shown rate increases from 1973 to 1977.

Five of the nine cancer sites referenced in this volume showed mortality rate increases from 1973 to 1977. Those sites and their percentage increases were: colon and rectum, 22.0; lung cancer, 21.4; breast cancer, 15.2; prostate, 8.0; and pancreatic cancer, 4.9. These rate increases are distressing for several reasons. One is that cancer of the colon-rectum, prostate and breast are often detectable at routine health checkups. Another is that while lung cancer is not often detected early, most lung cancers could be prevented by improving health habits and working conditions, i.e., not smoking and eliminating pollution hazards.

Nephritis and nephrosis mortality involved a 24% rate increase from 1973 to 1977. The 1977 rate of 5.6 deaths per 100,000 population was the highest rate for this cause of death since 1967. Nonwhite males experienced both the highest rate and the largest percentage increase from 1973 to 1977. The rates for 1977 with corresponding percentage increases were as follows: nonwhite males 13.1 and 58%; nonwhite females 9.8 and 21%; white males 4.1 and 0%; white females 3.5 and 25%.

Looking at Table 1 (page 13), one sees that chronic obstructive lung disease increased 114% from 1973 to 1977. A large part of this increase is due to certification (terminology) preference. To obtain a better view of the actual increase, we combined deaths from bronchitis, emphysema and asthma with those from chronic obstructive lung disease over the 1973-77 period. The rate for the entire complex of chronic obstructive lung diseases

increased 19% from a 1973 rate of 16.2 to a 1977 rate of 19.3. The 1977 rates and percent change from 1973 for combined chronic obstructive lung diseases by race-sex groups were as follows: white males 35.0 and 20%; white female 10.5 and 27%; nonwhite males 16.5 and 28%; nonwhite females 2.3 and -50%. Thus, all race-sex groups experienced rate increases with the exception of nonwhite females who had the lowest rates in 1973 and then reduced that rate by half.

The importance of suicide as a leading cause of death is illustrated by the fact that it was the twelfth leading cause of death in 1973, but the eighth in 1977. However, this is not due to an increasing suicide rate; in fact, North Carolinians are killing themselves at the same rate as in 1973. Rather, the suicide rate has stabilized while mortality from most other causes has declined.

While the number of suicides in 1977 exceeded the 1973 number by only 30, a greater percentage of current suicides are by people under age 35. Specifically, 29% of all suicides in 1973 were by people under age 35 whereas the corresponding figure for 1977 was 37%.

Suicide rates differ markedly among the four race-sex groups. In 1977, white males had the highest rate of 23.8 deaths per 100,000 population; nonwhite males were second at 10.5; white females at 7.5 were third, and nonwhite females were least likely to take their own lives with a rate of 2.2.

To compare suicide rates of the different age-race-sex groups, see the table on the next page. Although the 1977 white suicide rate of 15.4 was more than twice the nonwhite rate of 6.1, the percentage of suicide victims under age 35 was far greater for nonwhites (55%) than for whites (35%).

Even though North Carolina's 1977 infant death rate of 15.8 (infant deaths per 1,000 live births) marked a decline of 27% compared to its 1973 rate of 21.7, only three states and the District of Columbia had higher infant mortality rates than North Carolina in 1976. In North Carolina, nonwhites had an infant mortality rate almost twice that of whites in 1977, 23.3 vs. 12.2. Males had higher infant mortality rates than females, 17.9 vs. 13.6. Although all race-sex groups experienced infant mortality declines since 1973, the percent declines for nonwhites and males have not kept pace with those for whites and females. The state's 1977 infant death rates by race-sex groups are listed with their percent decline since 1973: white males 13.9 and 28%; white females 10.4 and 38%; nonwhite males 26.4 and 18%; nonwhite females 20.2 and 27%.

Suicide Rates per 100,000 Population by Age, Race and Sex

North Carolina Residents, 1977

	<u>10-14</u>	<u>15-19</u>	<u>20-24</u>	<u>25-34</u>	<u>35-44</u>	<u>45-54</u>	<u>55-64</u>	<u>65+</u>	<u>Total</u>
Total	0.6	8.7	15.3	16.1	17.5	23.0	25.1	16.9	13.2
White Male	1.7	12.9	27.1	25.4	27.6	37.2	51.7	42.0	23.8
White Female	0.0	7.0	4.6	10.0	11.0	16.4	11.9	4.3	7.5
Nonwhite Male	0.0	7.9	21.4	18.5	18.8	14.1	11.1	13.7	10.5
Nonwhite Female	0.0	2.7	1.4	4.1	3.1	4.8	0.0	4.7	2.2

Suicides under Age 35 as a Percent of Total

North Carolina Residents, 1977

	<u>Percent</u>
Total	37.3
White Male	35.2
White Female	34.8
Nonwhite Male	56.9
Nonwhite Female	46.7

III. MORTALITY RATES

Computation

In this report, general mortality rates are expressed as resident deaths per 1,000 population while all cause-specific mortality rates are expressed as resident deaths per 100,000 population. The infant mortality rates of Table 28 and Figure 28 are computed as the number of resident infant deaths per 1,000 resident live births.

North Carolina rules for determining decedent's residence specify that place of residence during military duty or during attendance at college is the military or college community. For deaths in hospitals, sanatoria, and other institutions (mental, penal, nursing home, etc.), the usual residence prior to admission to the institution is given. In contrast to this, the Census enumerates long-term institutionalized persons as residents of the area where the institution is located.

The following definitions apply to the rates of Tables 1-27:

Annual Death Rate: the annual death rate computed as resident deaths per 1,000 or 100,000 population. These rates permit the user knowledge of an area's status with respect to the observed incidence of mortality during the given year.

5-Year Death Rate: the average annual death rate computed as average resident deaths per 1,000 or 100,000 average population. These rates permit the user knowledge of an area's status with respect to the observed incidence of mortality during the 5-year period. These rates are depicted in the Series A maps printed in black.

5-Year Adjusted Death Rate: the average annual age-race-sex-adjusted rates, computed by the direct method. Also expressed as deaths per 1,000 or 100,000 population, these rates are those which would be expected if the average annual age, race and sex composition of each county's population were the same as that estimated for the state. These rates are free of the effects of age, race and sex and thus permit the user knowledge of an area's status with respect to other determinants of mortality during the 5-year period. These rates are depicted in the Series B maps printed in red.

Population bases for the rates of this report were provided by the Office of State Budget and Management of the North Carolina Department of Administration. For the maps, we clustered counties into six rate intervals using the Statistical Analysis System to group counties "most like each other."

Interpretation

To assess an area's relative mortality conditions during a five-year period, both the observed rate and the adjusted rate can be compared to the state rate for a particular cause of death. Then, provided the area's observed rate represents a relatively stable situation, viz., the rate has not fluctuated widely in recent years, the following alternative diagnoses will apply:

<u>Relative Observed Rate</u>	<u>Status of Adjusted Rate</u>	<u>Diagnosis</u>
Low	Low	Low mortality is not due to age, race and sex factors; other mortality conditions are favorable.
Low	High	Low mortality is due to favorable age, race and sex factors; other mortality conditions are unfavorable.
High	Low	High mortality is due to unfavorable age, race and sex factors; other mortality conditions are favorable.
High	High	High mortality is not due to age, race and sex factors; other mortality conditions are favorable.

Caution!

In assessing the relative mortality conditions of a county, one should be particularly aware of small numbers since, in such cases, random fluctuation in the rate may render rate comparisons invalid. This is the case in Mitchell County where there are few nonwhites and a single nonwhite death can drastically alter the county's death rate. To illustrate, one 1977 death in an age-race-sex population group estimated at only 1 resident contributed to the county's age-race-sex-adjusted nephritis/nephrosis death rate rising from 2.16 during 1972-76 to 126.09 during 1973-77. Similarly, the county's adjusted cirrhosis death rate fell from 217.41 during 1972-76 to 3.30 during 1973-77 due to a non-white death during 1972. Other counties should be aware of similar situations.

Also, all counties should be aware that some maps for 1973-77 look quite different from corresponding maps for 1972-76. Although extensive changes

between two closely overlapping time periods generally would not be expected, it is recalled that death rates ran high in 1972 (9.0 for the state) compared to 1977 (8.4 for the state). The effect of deleting 1972 while adding 1977 served to alter clustering patterns more than usual. Depending on the 1978 experience, we may again see considerable change between 1973-77 and 1974-78 since rates also ran high during 1973 (9.0 for the state).

Table 2
Mortality Statistics, Apr. 1973 to Feb. 1977
Per 100,000 Population

Cause of Death - Males	1973	1974	1975	1976
1973-1974	1975	1976	1977	1978
All Causes	10.5	10.4	10.3	10.2
Heart Disease	4.5	4.4	4.3	4.2
Cancer	3.5	3.4	3.3	3.2
Stroke	2.5	2.4	2.3	2.2
Respiratory Diseases	1.5	1.4	1.3	1.2
Accidents	1.0	0.9	0.8	0.7
Alcoholism	0.5	0.4	0.3	0.2
Diabetes	0.2	0.2	0.2	0.2
Other Diseases	0.1	0.1	0.1	0.1
Unspecified	0.1	0.1	0.1	0.1
Infants	1.0	0.9	0.8	0.7
Children	0.5	0.4	0.3	0.2
Adults	0.1	0.1	0.1	0.1
Elderly	0.1	0.1	0.1	0.1
Unspecified	0.1	0.1	0.1	0.1
Infants	1.0	0.9	0.8	0.7
Children	0.5	0.4	0.3	0.2
Adults	0.1	0.1	0.1	0.1
Elderly	0.1	0.1	0.1	0.1
Unspecified	0.1	0.1	0.1	0.1
Infants	1.0	0.9	0.8	0.7
Children	0.5	0.4	0.3	0.2
Adults	0.1	0.1	0.1	0.1
Elderly	0.1	0.1	0.1	0.1
Unspecified	0.1	0.1	0.1	0.1
Infants	1.0	0.9	0.8	0.7
Children	0.5	0.4	0.3	0.2
Adults	0.1	0.1	0.1	0.1
Elderly	0.1	0.1	0.1	0.1
Unspecified	0.1	0.1	0.1	0.1

IV. TABLES AND FIGURES:
MORTALITY STATISTICS FOR 1973-1977

Table 1
Mortality Statistics for 1977 and 1973-1977
North Carolina Residents

Cause of Death - Eighth Revision International Classification of Diseases, Adapted (3)	No. of Deaths 1977	Death Rate* 1977	Death Rate* 1973-77	Percent Change 1973-77
All Causes	46,593	8.4	8.6	- 6.7
Heart Disease 390-398,402,404,410-429	16,929	306.4	311.4	- 6.1
Acute Myocardial Infarction 410	8,217	148.7	157.3	- 13.2
Other Ischemic Heart Disease 411-413	6,758	122.3	122.1	- 1.9
Hypertension 400,401,403	182	3.3	3.8	- 26.7
Cerebrovascular Diseases 430-438	5,022	90.9	98.6	- 18.0
Arteriosclerosis 440	626	11.3	11.5	- 15.0
Cancer 140-209	8,583	155.3	146.2	+ 11.2
Cancer of the Stomach 151	295	5.3	5.3	- 3.6
Cancer of the Colon and Rectum 153,154	953	17.2	16.0	+ 22.0
Cancer of the Pancreas 157	468	8.5	8.0	+ 4.9
Cancer of the Trachea, Bronchus and Lung 162	2,006	36.3	32.3	+ 21.4
Female Breast Cancer 174	733	25.8	24.2	+ 15.2
Cancer of the Cervix Uteri 180	154	5.4	6.3	- 23.9
Cancer of the Ovary, Fallopian Tube and Broad Ligament 183	227	8.0	7.5	- 1.2
Cancer of the Prostate 185	510	19.0	18.8	+ 8.0
Leukemia 204-207	343	6.2	6.3	- 6.1
Diabetes Mellitus 250	820	14.8	16.3	- 10.3
Influenza and Pneumonia 470-474,480-486	1,343	24.3	25.4	- 15.3
Bronchitis, Emphysema and Asthma ⁺ 490-493	487	8.8	10.0	- 22.8
Chronic Obstructive Lung Disease ⁺ 519.3	581	10.5	7.7	+114.3
Cirrhosis of the Liver 571	718	13.0	13.4	- 11.0
Nephritis and Nephrosis 580-584	309	5.6	4.8	+ 24.4
Motor Vehicle Accidents 810-823	1,440	26.1	29.6	- 26.9
Accidents Excluding Motor Vehicles 800-807,825-949	1,663	30.1	30.6	- 8.0
Suicide 950-959	732	13.2	13.1	0.0
Homicide 960-978	632	11.4	13.6	- 26.5

See page 7 for definitions.

See discussion of trends, page 4.

TABLE 2

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

GENERAL MORTALITY (PER 1000 POPULATION)

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	46593	8.43	232062	8.55	8.55
REGIONS					
DHR I WESTERN	16091	8.57	79745	8.59	8.36
DHR II N. CENTRAL	10108	8.52	50527	8.61	8.42
DHP III S. CENTRAL	9729	7.76	48881	7.99	8.84
DHR IV EASTERN	10665	8.81	52909	9.02	9.08
HSA I WESTERN	8473	8.95	42111	9.01	8.29
HSA II PIEDMONT	8719	8.33	43484	8.40	8.41
HSA III S. PIEDMONT	7618	8.18	37634	8.16	8.47
HSA IV CAPITAL	6077	8.02	30279	8.19	8.48
HSA V CARDINAL	6849	8.17	34485	8.39	9.12
HSA VI EASTERN	8857	8.79	44069	9.04	9.15
COUNTIES					
1 ALAMANCE	836	8.44	4285	8.63	8.46
2 ALEXANDER	157	7.06	840	7.69	8.67
3 ALLEGHANY	100	11.34	527	12.07	9.25
4 ANSON	233	9.75	1261	10.54	7.67
5 ASHE	208	10.23	1067	10.63	8.12
6 AVERY	125	9.00	686	9.85	10.77
7 BEAUFORT	481	12.18	2210	11.61	9.69
8 BERTIE	232	10.89	1248	11.96	9.23
9 BLADEN	281	9.56	1438	10.08	9.18
10 BRUNSWICK	227	6.88	1209	7.47	7.72
11 BUNCOMBE	1539	10.18	7942	10.55	8.67
12 BURKE	499	7.82	2408	7.46	7.54
13 CABARRUS	780	9.86	3547	9.06	8.71
14 CALDWELL	482	7.97	2361	7.85	9.21
15 CAMDEN	67	11.72	291	10.14	8.86
16 CARTERET	366	9.86	1768	9.93	9.45
17 CASWELL	172	8.91	872	8.90	7.94
18 CATAWBA	760	7.59	3652	7.40	8.42
19 CHATHAM	293	9.59	1422	9.43	8.28
20 CHEROKEE	169	9.62	876	10.24	8.82
21 CHOWAN	109	9.34	612	10.90	9.14
22 CLAY	66	11.78	298	10.84	7.83
23 CLEVELAND	709	9.10	3405	8.78	8.97
24 COLUMBUS	519	10.15	2468	9.79	9.57
25 CRAVEN	459	6.68	2533	7.48	9.50
26 CUMBERLAND	1185	5.12	6004	5.28	9.45
27 CURRITUCK	105	10.45	498	10.21	9.04
28 DARE	106	10.33	461	10.05	8.28
29 DAVIDSON	806	7.87	3810	7.55	7.99
30 DAVIE	172	7.72	888	8.44	7.44
31 DUPLIN	399	9.90	1896	9.56	8.80
32 DURHAM	1206	8.40	6156	8.73	8.50
33 EDGEcombe	523	9.56	2657	9.87	9.55
34 FORSYTH	1888	8.28	9458	8.38	8.67
35 FRANKLIN	303	10.72	1458	10.39	8.54
36 GASTON	1240	7.90	6324	8.11	8.58
37 GATES	91	10.96	461	11.08	8.32
38 GRAHAM	54	7.92	284	8.66	8.46
39 GRANVILLE	298	9.09	1544	9.39	8.73
40 GREENE	129	8.67	624	8.33	8.65
41 GUILFORD	2479	8.14	12249	8.14	8.41

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
GENERAL MORTALITY (PER 1000 POPULATION) CONT'D.

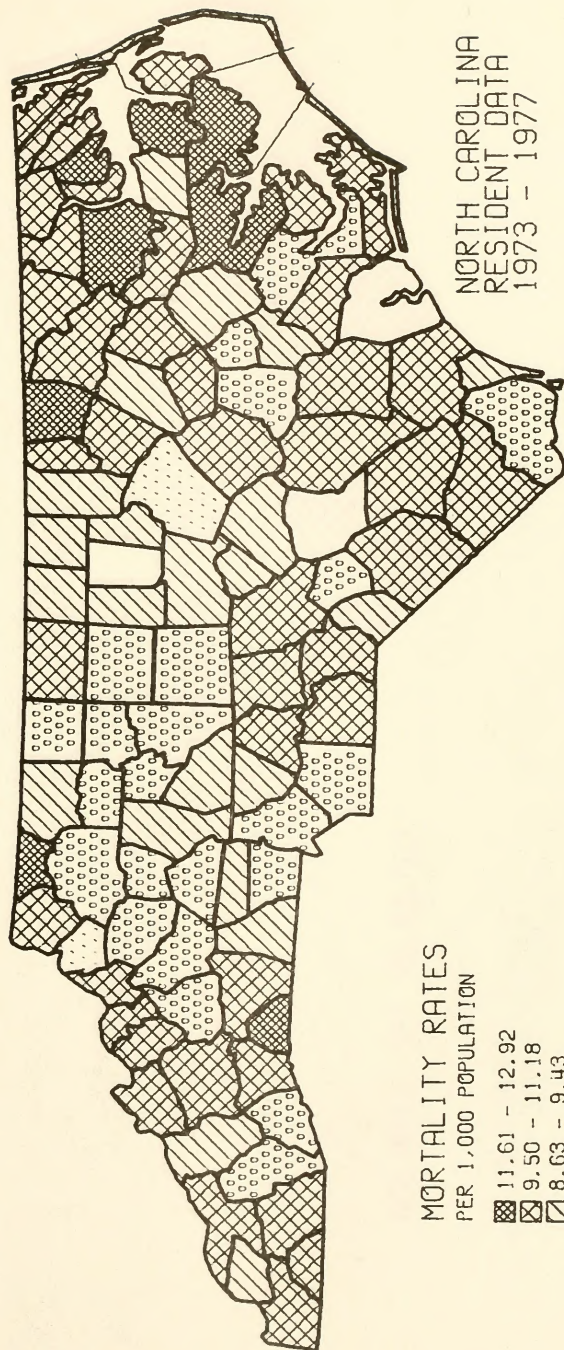
COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	613	10.96	2969	10.79	9.31
43 HARNETT	472	8.53	2497	9.29	9.56
44 HAYWOOD	424	9.67	2029	9.33	7.84
45 HENDERSON	544	10.66	2622	10.80	8.55
46 HERTFORD	236	9.73	1150	9.67	7.69
47 HOKE	149	8.03	709	8.08	8.59
48 HYDE	78	13.56	327	11.79	7.95
49 IREDELL	703	8.95	3420	8.82	8.36
50 JACKSON	213	8.54	1000	8.18	8.33
51 JOHNSTON	735	11.20	3371	10.40	10.03
52 JONES	93	9.81	476	9.94	9.19
53 LEE	276	8.02	1547	9.27	9.19
54 LENOIR	570	9.56	2662	9.05	9.13
55 LINCOLN	331	8.75	1611	8.71	9.29
56 MCDOWELL	236	6.98	1361	7.93	8.26
57 MACON	188	9.97	910	10.15	6.27
58 MADISON	157	9.12	839	10.02	6.86
59 MARTIN	258	10.08	1264	10.11	9.43
60 MECKLENBURG	2822	7.49	13874	7.41	8.43
61 MITCHELL	148	10.58	701	10.10	8.52
62 MONTGOMERY	183	9.53	1091	11.18	9.26
63 MOORE	477	10.94	2267	10.69	8.92
64 NASH	620	9.27	3045	9.43	8.92
65 NEW HANOVER	844	8.66	4185	8.79	8.96
66 NORTHAMPTON	223	9.52	1279	11.03	8.71
67 ONSLOW	448	3.87	2179	4.25	9.46
68 ORANGE	379	5.51	1865	5.50	7.13
69 PAMLICO	103	10.48	504	10.63	8.28
70 PASQUOTANK	269	9.34	1414	10.10	8.90
71 PENDER	218	10.09	978	9.50	8.25
72 PERQUIMANS	100	11.45	506	11.98	7.66
73 PERSON	228	8.36	1251	9.27	8.74
74 PITT	681	8.52	3410	8.78	9.52
75 POLK	173	13.41	815	12.92	8.03
76 RANDOLPH	609	7.31	3193	7.76	7.98
77 RICHMOND	426	10.20	2189	10.67	9.99
78 ROBESON	900	9.62	4423	9.60	10.24
79 ROCKINGHAM	826	10.96	3967	10.37	9.50
80 ROWAN	878	9.41	4307	9.31	7.87
81 RUTHERFORD	494	9.67	2473	9.83	8.61
82 SAMPSON	466	9.53	2390	10.00	9.02
83 SCOTLAND	269	9.05	1376	9.39	10.50
84 STANLY	422	9.38	2211	9.87	9.29
85 STOKES	227	7.77	1134	8.06	7.80
86 SURRY	476	8.56	2497	9.11	8.38
87 SWAIN	101	9.75	482	9.85	8.05
88 TRANSYLVANIA	180	8.19	820	7.78	9.01
89 TYRRELL	42	11.07	245	12.79	9.03
90 UNION	442	6.95	2340	7.55	8.09
91 VANCE	343	9.92	1782	10.60	9.29
92 WAKE	1799	6.54	8875	6.74	8.15
93 WARREN	217	12.76	1008	12.10	8.80
94 WASHINGTON	125	8.34	653	9.13	8.94
95 WATAUGA	171	5.95	892	6.32	6.46
96 WAYNE	757	8.31	3686	8.20	9.40
97 WILKES	430	7.81	2123	7.87	7.89
98 WILSON	574	9.36	3041	10.16	10.02
99 YADKIN	228	8.44	1131	8.47	7.56
100 YANCEY	146	10.13	698	10.03	8.20

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

GENERAL MORTALITY



MORTALITY RATES
PER 1,000 POPULATION

- 11.61 - 12.92
- ▨ 9.50 - 11.18
- ▧ 8.63 - 9.43
- ▩ 7.40 - 8.47
- 6.32 - 6.74
- 4.25 - 5.50

FIGURE 2.A

GENERAL MORTALITY

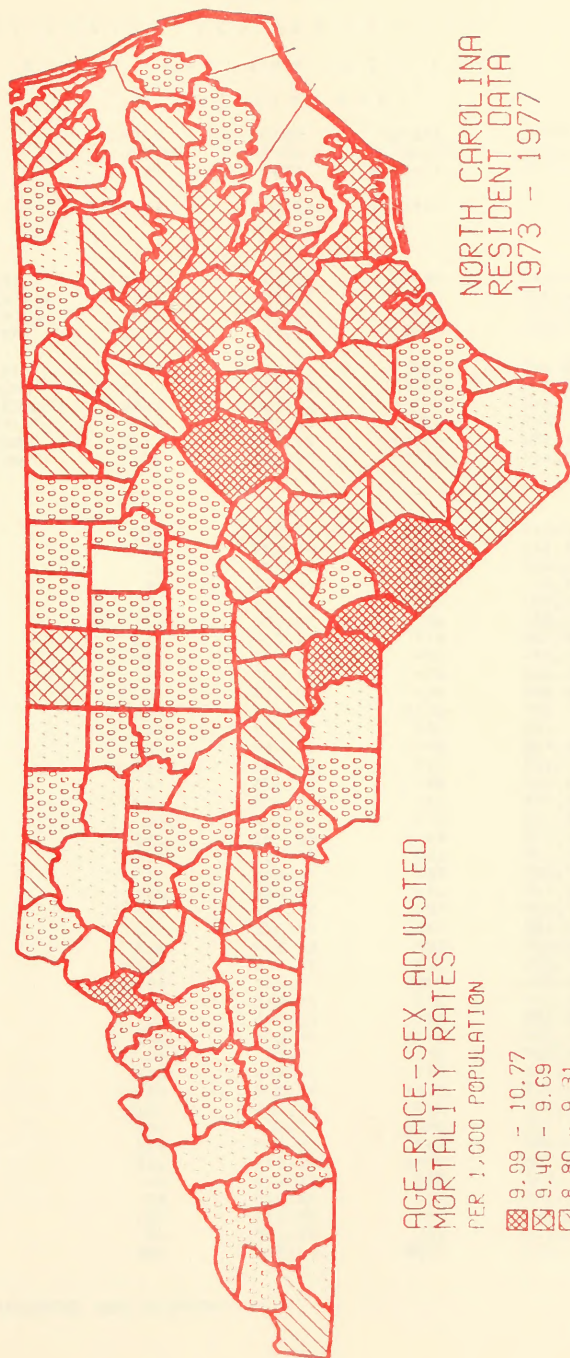


FIGURE 2.B

TABLE 3

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

HEART DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	16929	306.39	84469	311.36	311.36
REGIONS					
DHR I WESTERN	5923	315.56	29788	320.94	302.19
DHR II N. CENTRAL	3799	320.50	18870	321.62	311.37
DHR III S. CENTRAL	3456	275.89	17156	280.45	323.93
DHR IV EASTERN	3751	309.94	18655	318.17	331.13
HSA I WESTERN	3122	329.87	15856	339.50	292.29
HSA II PIEDMONT	3249	310.76	16179	312.57	309.82
HSA III S. PIEDMONT	2801	301.01	13932	302.15	312.08
HSA IV CAPITAL	2208	291.50	10962	296.83	313.54
HSA V CARDINAL	2455	292.91	12005	292.26	333.95
HSA VI EASTERN	3094	307.20	15535	318.95	335.23
COUNTIES					
1 ALAMANCE	297	300.11	1567	315.71	303.04
2 ALEXANDER	56	252.04	308	282.18	280.62
3 ALLEGHANY	30	340.44	166	380.28	237.52
4 ANSON	90	376.88	484	404.55	289.19
5 ASHE	81	398.70	431	429.46	314.63
6 AVERY	46	331.45	296	425.24	477.33
7 BEAUFORT	165	417.90	738	387.99	318.42
8 BERTIE	81	380.26	455	436.38	343.03
9 BLADEN	97	330.26	479	335.85	313.43
10 BRUNSWICK	90	272.90	438	270.62	286.45
11 BUNCOMBE	518	342.69	2736	363.76	273.59
12 BURKE	177	277.40	854	264.79	255.11
13 CABARRUS	304	384.50	1408	359.82	336.49
14 CALDWELL	186	307.81	908	301.91	366.68
15 CAMDEN	22	385.15	96	334.83	308.95
16 CARTERET	147	396.37	763	428.75	393.34
17 CASWELL	45	233.14	278	283.90	253.62
18 CATAWBA	270	269.88	1369	277.46	306.03
19 CHATHAM	100	327.45	523	347.08	300.02
20 CHEROKEE	64	364.65	337	393.96	309.47
21 CHOWAN	36	308.58	176	313.56	278.76
22 CLAY	39	696.30	137	498.74	340.32
23 CLEVELAND	307	394.46	1484	383.01	389.55
24 COLUMBUS	206	403.08	922	365.83	358.27
25 CRAVEN	138	200.90	828	244.75	335.34
26 CUMBERLAND	354	153.07	1808	159.12	342.39
27 CURRITUCK	34	338.40	196	401.86	347.48
28 DARE	40	390.01	161	351.03	241.98
29 DAVIDSON	336	328.48	1548	307.12	315.90
30 DAVIE	64	287.51	331	314.87	263.92
31 DUPLIN	153	379.77	693	349.43	326.56
32 DURHAM	439	305.85	2150	305.04	299.09
33 EDGECOMBE	160	292.72	856	318.20	319.25
34 FOKSYTH	697	305.73	3540	313.73	327.94
35 FRANKLIN	129	456.44	564	402.14	324.72
36 GASTON	511	325.58	2497	320.56	336.06
37 GATES	45	542.23	185	445.02	334.95
38 GRAHAM	18	264.20	106	323.32	247.61
39 GRANVILLE	122	372.35	646	392.89	368.89
40 GREENE	54	363.24	212	283.14	319.45
41 GUILFORD	935	307.16	4471	297.47	309.85

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
HEART DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	221	395.42	1010	367.13	330.30
43 HARNETT	196	354.38	992	369.28	382.99
44 HAYWOOD	161	367.34	747	343.49	232.98
45 HENDERSON	212	415.76	928	382.45	268.77
46 HERTFORD	81	334.11	443	372.51	317.31
47 HOKE	52	280.50	219	249.70	285.79
48 HYDE	28	487.12	138	497.62	328.86
49 IREDELL	268	341.42	1287	332.17	307.63
50 JACKSON	68	272.66	417	341.11	327.32
51 JOHNSTON	292	445.19	1437	443.43	422.70
52 JONES	38	401.01	176	367.54	355.32
53 LEE	96	279.14	548	328.39	324.61
54 LENOIR	189	317.23	899	305.83	326.78
55 LINCOLN	117	309.59	566	306.22	319.25
56 MCCOY	80	236.90	465	271.17	257.11
57 MACON	80	424.35	399	445.18	260.85
58 MADISON	67	389.24	330	394.40	212.67
59 MARTIN	118	461.40	509	407.13	390.81
60 MECKLENBURG	971	257.90	4857	259.41	304.46
61 MITCHELL	49	350.50	228	328.61	282.04
62 MONTGOMERY	76	396.12	452	463.29	367.41
63 MOORE	184	422.03	836	394.40	316.12
64 NASH	221	330.63	1084	335.79	317.99
65 NEW HANOVER	294	301.82	1448	304.40	313.37
66 NORTHAMPTON	87	371.52	489	421.78	351.92
67 ONSLOW	125	108.00	590	115.13	339.98
68 ORANGE	130	189.01	628	185.33	248.06
69 PAMLICO	35	356.27	181	382.06	288.33
70 PASQUOTANK	91	316.03	522	372.91	335.29
71 PENDEK	67	310.37	312	303.30	261.64
72 PERQUIMANS	32	366.42	191	452.43	279.84
73 PERSON	89	326.65	461	341.83	321.81
74 PITT	247	309.36	1332	343.02	382.31
75 POLK	54	418.76	321	508.96	297.10
76 RANDOLPH	233	279.99	1186	288.35	291.21
77 RICHMOND	165	395.21	824	401.85	373.80
78 ROBESON	315	336.71	1362	295.78	357.56
79 ROCKINGHAM	310	411.51	1475	385.71	341.06
80 ROWAN	335	359.22	1644	355.42	284.45
81 RUTHERFORD	185	362.29	964	383.44	301.93
82 SAMPSON	180	368.21	966	404.47	360.51
83 SCOTLAND	89	299.54	463	316.00	366.36
84 STANLY	160	355.99	855	381.99	352.22
85 STOKES	96	328.92	458	325.86	298.15
86 SURRY	167	300.46	953	348.06	305.66
87 SWAIN	39	376.66	185	378.14	292.94
88 TRANSYLVANIA	63	286.80	268	254.38	272.25
89 TYRRELL	12	316.53	78	407.28	272.87
90 UNION	135	212.48	818	264.13	281.90
91 VANCE	134	387.73	638	379.63	338.83
92 WAKE	601	218.71	2985	226.69	286.26
93 WARREN	76	446.95	382	458.59	335.37
94 WASHINGTON	47	313.81	235	328.89	331.88
95 WATAUGA	63	219.52	341	241.76	248.06
96 WAYNE	263	288.91	1307	290.93	352.51
97 WILKES	162	294.50	903	334.81	334.15
98 WILSON	184	300.11	992	331.60	337.91
99 YADKIN	69	255.56	372	278.91	245.66
100 YANCEY	47	326.11	228	327.78	223.58

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

HEART DISEASE

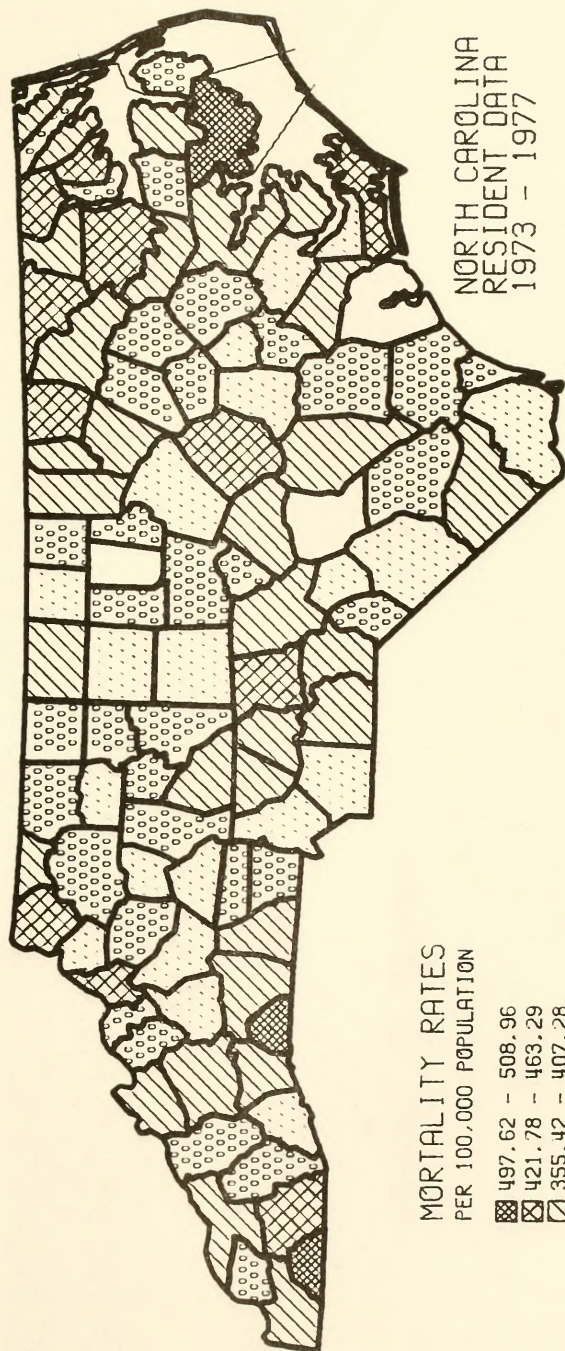


FIGURE 3.A

HEART DISEASE

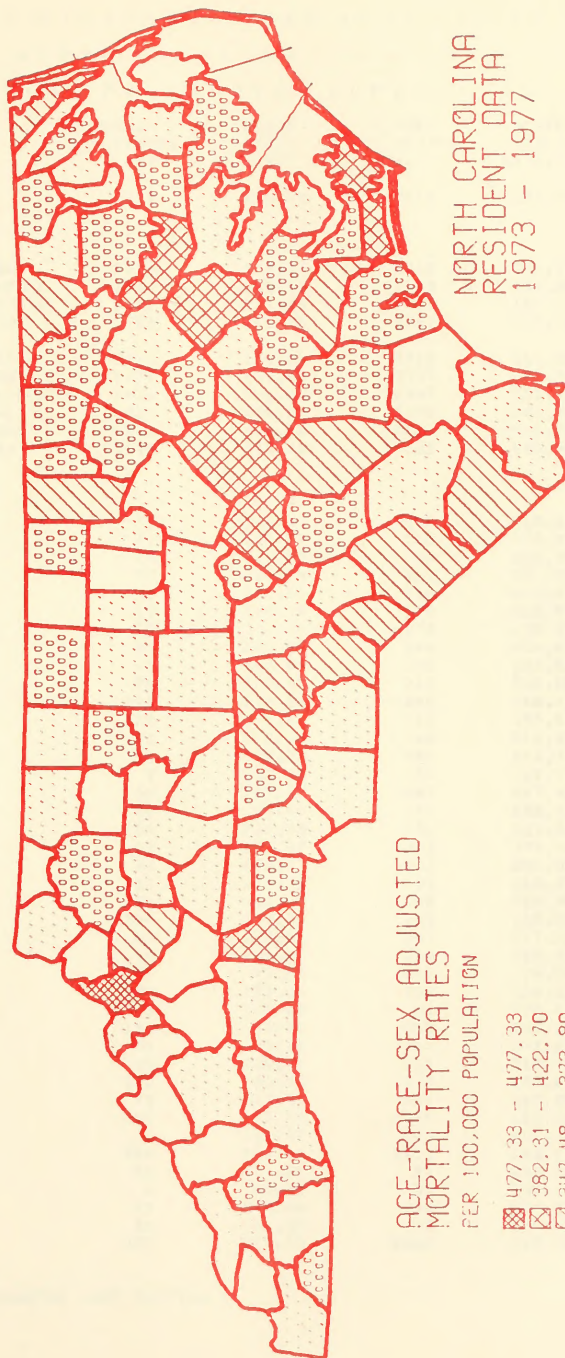


FIGURE 3.B

TABLE 4

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

ACUTE MYOCARDIAL INFARCTION

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	8217	148.72	42676	157.31	157.31
REGIONS					
DHR I WESTERN	2879	153.38	14915	160.70	145.83
DHR II N. CENTRAL	1958	165.18	10149	172.98	166.29
DHR III S. CENTRAL	1652	131.88	8265	135.10	158.94
DHR IV EASTERN	1728	142.78	9347	159.42	170.47
HSA I WESTERN	1473	155.64	7918	169.53	142.77
HSA II PIEDMONT	1671	159.82	8797	169.95	165.89
HSA III S. PIEDMONT	1406	151.09	6997	151.74	152.05
HSA IV CAPITAL	1031	136.11	5199	140.78	150.78
HSA V CARDINAL	1217	145.20	6000	146.06	170.73
HSA VI EASTERN	1419	140.89	7765	159.42	172.78
COUNTIES					
1 ALAMANCE	147	148.54	835	168.23	156.59
2 ALEXANDER	31	139.52	168	153.91	152.31
3 ALLEGHANY	16	181.57	88	201.59	109.82
4 ANSON	52	217.75	265	221.49	166.37
5 ASHE	43	211.65	216	215.22	171.38
6 AVERY	17	122.49	150	215.49	186.78
7 BEAUFORT	75	189.95	378	198.72	169.67
8 BERTIE	36	169.00	240	230.18	184.86
9 BLADEN	49	166.83	276	193.51	185.27
10 BRUNSWICK	44	133.41	215	132.84	137.82
11 BUNCOMBE	206	136.28	1250	166.19	122.46
12 BURKE	112	175.53	502	155.65	146.11
13 CABARRUS	192	242.84	846	216.20	194.75
14 CALDWELL	78	129.08	428	142.31	165.09
15 CAMDEN	7	122.54	35	122.07	112.64
16 CARTEKET	62	167.17	387	217.46	190.86
17 CASWELL	19	98.44	134	136.84	127.27
18 CATAWBA	152	151.93	796	161.32	171.81
19 CHATHAM	60	196.47	263	174.53	153.35
20 CHEROKEE	27	153.83	177	206.92	183.80
21 CHOWAN	17	145.72	92	163.91	153.47
22 CLAY	24	428.49	88	320.36	252.56
23 CLEVELAND	144	185.02	732	188.92	189.51
24 COLUMBUS	83	162.40	397	157.52	161.16
25 CRAVEN	69	100.45	415	122.67	166.72
26 CUMBERLAND	175	75.67	847	74.54	161.97
27 CURRITUCK	20	199.06	102	209.13	176.87
28 DARE	16	156.00	81	176.60	116.64
29 DAVIDSON	160	156.42	959	190.26	191.33
30 DAVIE	31	139.26	180	171.23	140.91
31 DUPLIN	89	220.91	427	215.30	203.49
32 DURHAM	196	136.55	977	138.61	138.93
33 EDGEcombe	75	137.21	444	165.04	171.25
34 FORSYTH	394	172.82	2035	180.35	188.71
35 FRANKLIN	88	311.37	355	253.12	205.09
36 GASTON	256	163.11	1271	163.17	164.57
37 GATES	18	216.89	97	233.33	175.22
38 GRAHAM	6	88.06	46	140.31	115.37
39 GRANVILLE	51	155.65	282	171.51	166.96
40 GREENE	30	201.80	91	121.53	140.71
41 GUILFORD	485	159.33	2263	150.56	155.88

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
ACUTE MYOCARDIAL INFARCTION CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	106	189.66	538	195.56	187.29
43 HARNETT	88	159.11	459	170.87	175.07
44 HAYWOOD	92	209.91	432	198.64	139.96
45 HENDERSON	84	164.73	441	181.75	119.27
46 HERTFORD	32	131.99	186	156.40	144.60
47 HOKE	29	156.43	114	129.98	152.02
48 HYDE	16	278.35	83	299.29	205.23
49 IREDELL	138	175.80	689	177.82	159.88
50 JACKSON	34	136.33	208	170.14	165.10
51 JOHNSTON	95	144.84	500	154.29	142.41
52 JONES	15	158.29	89	185.86	179.39
53 LEE	60	174.46	324	194.15	190.39
54 LENOIR	99	166.17	460	156.48	174.00
55 LINCOLN	79	209.04	362	195.85	190.87
56 MCDOWELL	38	112.52	236	137.63	128.34
57 MACON	54	286.44	239	266.66	166.18
58 MADISON	33	191.71	159	190.03	111.69
59 MARTIN	43	168.13	174	139.17	140.91
60 MECKLENBURG	380	100.92	1941	103.66	122.36
61 MITCHELL	21	150.21	110	158.54	87.56
62 MONTGOMERY	44	229.33	276	282.89	230.62
63 MOORE	95	217.89	453	213.71	173.36
64 NASH	127	190.00	637	197.32	189.62
65 NEW HANOVER	146	149.88	769	161.66	166.94
66 NORTHAMPTON	39	166.54	237	204.42	186.35
67 ONSLOW	56	48.38	305	59.51	170.16
68 ORANGE	64	93.05	313	92.37	125.44
69 PAMLICO	15	152.68	73	154.09	117.87
70 PASQUOTANK	39	135.44	252	180.02	171.10
71 PENDER	36	166.76	201	195.39	169.26
72 PERQUIMANS	10	114.50	85	201.34	136.60
73 PERSON	42	154.15	218	161.64	154.15
74 PITT	97	121.49	588	151.42	176.03
75 POLK	16	124.07	112	177.58	103.63
76 RANDOLPH	127	152.61	667	162.16	158.55
77 RICHMOND	82	196.41	441	215.06	201.35
78 ROBESON	146	156.06	598	129.86	163.36
79 ROCKINGHAM	151	200.44	784	205.01	178.86
80 ROWAN	189	202.66	978	211.43	166.03
81 RUTHERFORD	88	172.33	463	184.16	144.31
82 SAMPSUN	107	218.88	492	206.00	185.31
83 SCOTLAND	41	137.99	197	134.45	163.92
84 STANLY	103	229.16	527	235.45	208.98
85 STOKES	48	164.46	262	186.41	164.28
86 SURRY	84	151.13	512	186.99	151.56
87 SWAIN	21	202.82	121	247.32	194.25
88 TRANSYLVANIA	28	127.46	155	147.12	141.59
89 TYRRELL	7	184.64	36	187.97	131.27
90 UNION	69	108.60	383	123.67	129.96
91 VANCE	55	159.14	256	152.33	141.42
92 WAKE	269	97.89	1470	111.63	141.50
93 WARREN	51	299.92	241	289.32	207.77
94 WASHINGTON	10	66.76	82	114.76	112.75
95 WATAUGA	28	97.56	194	137.54	136.99
96 WAYNE	108	118.64	616	137.12	173.39
97 WILKES	54	98.16	282	104.55	97.90
98 WILSON	86	140.27	535	178.83	186.00
99 YADKIN	25	92.59	166	124.46	100.77
100 YANCEY	26	180.40	125	179.70	108.28

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

ACUTE MYOCARDIAL INFARCTION

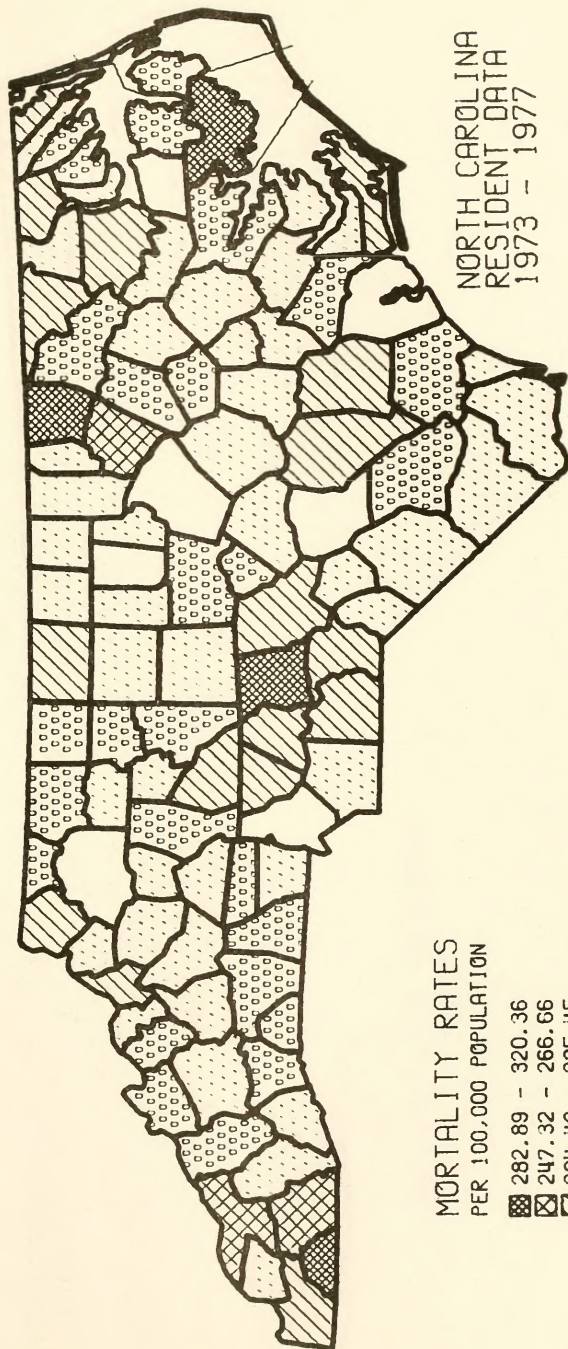
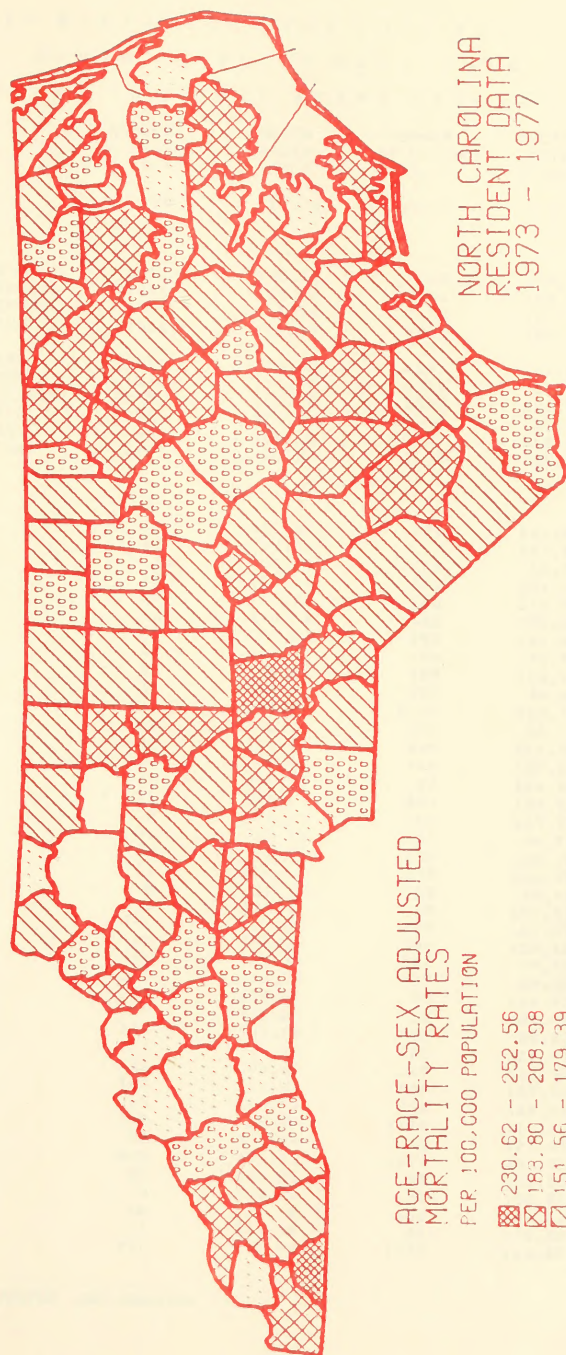


FIGURE 4.A

MORTALITY RATES
PER 100,000 POPULATION

- 282.89 - 320.36
- 247.32 - 266.66
- 204.42 - 235.45
- 174.53 - 201.59
- 121.53 - 171.51
- 59.51 - 114.76

ACUTE MYOCARDIAL INFARCTION



NORTH CAROLINA
RESIDENT DATA
1973 - 1977

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION

- 230.62 - 252.56
- 183.80 - 208.98
- 151.56 - 179.39
- 125.44 - 146.11
- 108.28 - 122.46
- 87.56 - 103.63

FIGURE 4. B

TABLE 5

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

OTHER ISCHEMIC HEART DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	6756	122.31	33129	122.11	122.11
REGIONS					
DHR I WESTERN	2372	126.37	11749	126.58	122.86
DHR II N. CENTRAL	1429	120.55	6970	118.80	115.76
DHR III S. CENTRAL	1397	111.52	7155	116.96	133.91
DHR IV EASTERN	1560	128.90	7255	123.74	126.93
HSA I WESTERN	1276	134.82	6197	132.68	114.00
HSA II PIEDMONT	1212	115.92	5870	113.40	114.18
HSA III S. PIEDMONT	1096	117.78	5552	120.41	128.49
HSA IV CAPITAL	915	120.80	4644	125.75	132.04
HSA V CARDINAL	957	114.18	4727	115.07	130.09
HSA VI EASTERN	1302	129.27	6139	126.04	129.95
COUNTIES					
1 ALAMANCE	123	124.28	604	121.69	120.27
2 ALEXANDER	22	99.01	117	107.19	106.23
3 ALLEGHANY	8	90.78	22	50.39	34.10
4 ANSON	28	117.25	157	131.22	89.13
5 ASHE	30	147.66	180	179.35	121.20
6 AVERY	20	144.11	120	172.39	262.98
7 BEAUFORT	62	157.02	251	131.96	103.02
8 BERTIE	30	140.83	148	141.94	109.82
9 BLADEN	31	105.54	149	104.47	96.33
10 BRUNSWICK	37	112.19	159	98.24	105.79
11 BUNCOMBE	241	159.43	1227	163.13	119.82
12 BURKE	59	92.46	286	88.67	86.65
13 CABARRUS	83	104.97	399	101.96	102.15
14 CALDWELL	88	145.63	414	137.65	175.64
15 CAMDEN	15	262.60	53	184.85	166.04
16 CARTERET	75	202.23	333	187.12	174.95
17 CASWELL	18	93.25	121	123.57	108.50
18 CATAWBA	98	97.95	438	88.77	100.97
19 CHATHAM	28	91.68	191	126.75	107.68
20 CHEROKEE	31	176.62	138	161.32	110.30
21 CHOWAN	6	51.43	53	94.42	82.31
22 CLAY	13	232.10	39	141.97	67.82
23 CLEVELAND	140	179.88	649	167.50	172.33
24 COLUMBUS	69	135.01	304	120.62	117.28
25 CRAVEN	46	66.96	321	94.88	133.05
26 CUMBERLAND	148	63.99	787	69.26	152.32
27 CURRITUCK	12	119.43	79	161.97	141.97
28 DALE	19	185.25	58	126.46	87.18
29 DAVIDSON	130	127.09	453	89.87	95.58
30 DAVIE	28	125.78	125	118.91	102.67
31 DUPLIN	54	134.03	223	112.44	104.14
32 DURHAM	176	122.62	899	127.55	124.49
33 EDGEcombe	65	118.92	324	120.44	119.52
34 FORSYTH	227	99.57	1178	104.40	109.77
35 FRANKLIN	35	123.84	172	122.63	99.38
36 GASTON	205	130.61	1012	129.91	141.93
37 GATES	22	265.09	65	156.35	115.88
38 GRAHAM	9	132.10	51	155.56	113.01
39 GRANVILLE	58	177.02	302	183.67	169.93
40 GREENE	17	114.35	81	108.18	126.72
41 GUILFORD	347	113.99	1778	118.29	124.24

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
OTHER ISCHEMIC HEART DISEASE CONT'D.

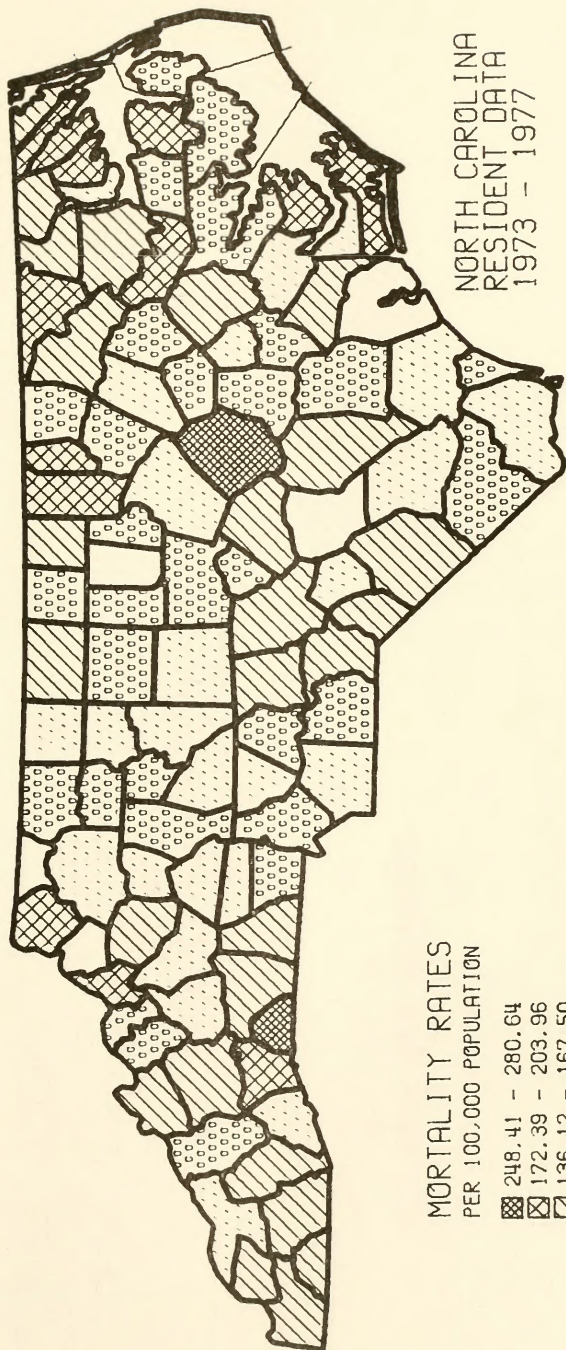
COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	95	169.97	385	139.94	117.50
43 HARNETT	86	155.49	434	161.56	170.38
44 HAYWOOD	50	114.08	253	116.33	73.63
45 HENDERSON	109	213.76	420	173.09	122.66
46 HERTFORD	33	136.12	196	164.81	132.55
47 Hoke	17	91.70	79	90.07	103.22
48 HYDE	9	156.57	37	133.41	80.34
49 IREDELL	107	136.31	502	129.56	123.28
50 JACKSON	24	96.23	186	152.15	139.83
51 JOHNSTON	148	225.64	805	248.41	241.46
52 JONES	18	189.95	75	156.62	147.76
53 LEE	30	87.23	194	116.25	116.06
54 LENOIR	68	114.13	353	120.08	125.93
55 LINCOLN	30	79.38	172	93.05	108.28
56 MCDOWELL	31	91.80	181	105.55	103.70
57 MACON	19	100.78	122	136.12	71.52
58 MADISON	25	145.23	132	157.76	76.02
59 MARTIN	58	226.79	255	203.96	195.42
60 MECKLENBURG	468	124.30	2414	128.93	151.80
61 MITCHELL	21	150.21	91	131.15	171.65
62 MONTGOMERY	28	145.93	142	145.54	108.97
63 MOORE	62	142.20	308	145.30	113.35
64 NASH	77	115.19	349	108.11	100.79
65 NEW HANOVER	125	128.32	560	117.72	121.74
66 NORTHAMPTON	40	170.81	207	178.54	136.95
67 ONSLOW	52	44.92	212	41.37	133.37
68 ORANGE	47	68.53	231	68.17	89.92
69 PAMLICO	16	162.86	94	198.42	144.65
70 PASQUOTANK	49	170.17	244	174.31	148.62
71 PENDER	27	125.07	93	90.40	78.01
72 PERQUIMANS	18	206.11	86	203.71	117.09
73 PERSON	43	157.82	200	148.30	140.40
74 PIIT	127	159.06	603	155.28	171.92
75 POLK	32	248.15	177	280.64	159.25
76 RANDOLPH	77	92.53	398	96.76	100.53
77 RICHMOND	67	160.48	304	148.25	137.55
78 ROBESON	135	144.30	649	140.94	168.56
79 ROCKINGHAM	125	165.93	556	145.39	130.06
80 ROWAN	110	117.95	503	108.74	89.47
81 RUTHERFORD	72	141.00	389	154.72	117.68
82 SAMPSON	58	118.64	398	166.64	146.37
83 SCOTLAND	39	131.26	204	139.23	156.75
84 STANLY	49	109.02	272	121.52	120.52
85 STOKES	32	109.64	142	101.03	92.00
86 SURRY	71	127.74	358	130.75	125.14
87 SWAIN	14	135.21	46	94.02	70.81
88 TRANSYLVANIA	25	113.81	87	82.58	97.02
89 TYRRELL	4	105.51	36	187.97	121.73
90 UNION	44	69.25	278	89.76	97.98
91 VANCE	62	179.39	316	188.03	164.15
92 WAKE	269	97.89	1224	92.95	118.31
93 WARREN	19	111.73	110	132.05	99.99
94 WASHINGTON	27	180.27	95	132.95	137.50
95 WATAUGA	26	90.59	104	73.73	65.78
96 WAYNE	117	128.52	574	127.77	149.77
97 WILKES	49	89.07	250	92.69	87.85
98 WILSON	71	115.80	349	116.66	118.26
99 YADKIN	34	125.93	157	117.71	107.19
100 YANCEY	20	138.77	78	112.13	93.43

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

OTHER ISCHEMIC HEART DISEASE



MORTALITY RATES
PER 100,000 POPULATION

- 248.41 - 280.64
- 172.39 - 203.96
- 136.12 - 167.50
- 112.13 - 133.41
- 82.58 - 108.74
- 41.37 - 73.73

FIGURE 5.A

OTHER ISCHEMIC HEART DISEASE

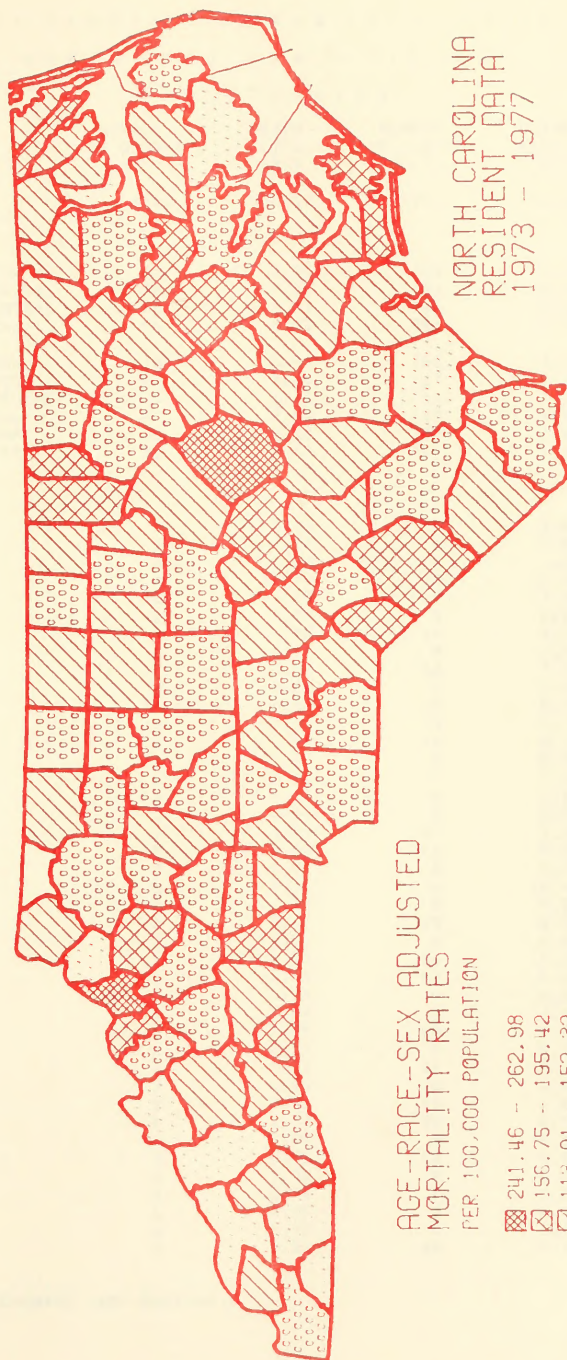


FIGURE 5.8

TABLE 6

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

HYPERTENSION

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	182	3.29	1044	3.84	3.84
REGIONS					
DHR I WESTERN	62	3.30	305	3.28	3.63
DHR II N. CENTRAL	26	2.19	192	3.27	3.31
DHR III S. CENTRAL	50	3.99	266	4.34	4.57
DHR IV EASTERN	44	3.63	281	4.79	3.95
HSA I WESTERN	33	3.48	162	3.46	3.65
HSA II PIEDMONT	21	2.00	157	3.03	3.29
HSA III S. PIEDMONT	29	3.11	143	3.10	3.50
HSA IV CAPITAL	22	2.90	124	3.35	3.25
HSA V CARDINAL	38	4.53	217	5.28	5.17
HSA VI EASTERN	39	3.87	241	4.94	4.11
COUNTIES					
1 ALAMANCE	3	3.03	24	4.83	4.91
2 ALEXANDER	1	4.50	6	5.49	28.29
3 ALLEGHANY	0	0.00	1	2.29	1.21
4 ANSON	3	12.56	18	15.04	7.70
5 ASHE	0	0.00	4	3.98	2.13
6 AVERY	1	7.20	2	2.87	13.32
7 BEAUFORT	1	2.53	11	5.78	3.74
8 BERTIE	0	0.00	8	7.67	4.43
9 BLADEN	0	0.00	10	7.01	4.44
10 BRUNSWICK	0	0.00	2	1.23	1.50
11 BUNCOMBE	13	8.60	38	5.05	3.86
12 BURKE	0	0.00	9	2.79	4.44
13 CABARRUS	3	3.79	11	2.81	2.71
14 CALDWELL	1	1.65	9	2.99	4.52
15 CAMDEN	0	0.00	0	0.00	0.00
16 CARTERET	2	5.39	4	2.24	3.36
17 CASWELL	0	0.00	3	3.06	1.84
18 CATAWBA	4	3.99	11	2.22	3.98
19 CHATHAM	2	6.54	12	7.96	7.01
20 CHEROKEE	0	0.00	2	2.33	1.35
21 CHOWAN	1	8.57	6	10.68	5.88
22 CLAY	0	0.00	2	7.28	3.31
23 CLEVELAND	0	0.00	14	3.61	3.87
24 COLUMBUS	2	3.91	8	3.17	2.70
25 CRAVEN	1	1.45	14	4.13	3.95
26 CUMBERLAND	13	5.62	45	3.96	8.08
27 CURRITUCK	0	0.00	4	8.20	6.87
28 DARE	0	0.00	1	2.18	1.01
29 DAVIDSON	2	1.95	12	2.38	2.64
30 DAVIE	0	0.00	6	5.70	8.26
31 DUPLIN	4	9.92	14	7.05	5.21
32 DURHAM	3	2.09	15	2.12	2.32
33 EDGECOMBE	2	3.65	17	6.31	4.29
34 FORSYTH	6	2.63	29	2.57	2.50
35 FRANKLIN	0	0.00	3	2.13	1.03
36 GASTON	7	4.46	20	2.56	3.19
37 GATES	0	0.00	2	4.81	4.80
38 GRAHAM	0	0.00	3	9.15	5.61
39 GRANVILLE	1	3.05	7	4.25	3.70
40 GREENE	1	6.72	5	6.67	4.95
41 GUILFORD	4	1.31	47	3.12	3.37

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
HYPERTENSION CONT'D.

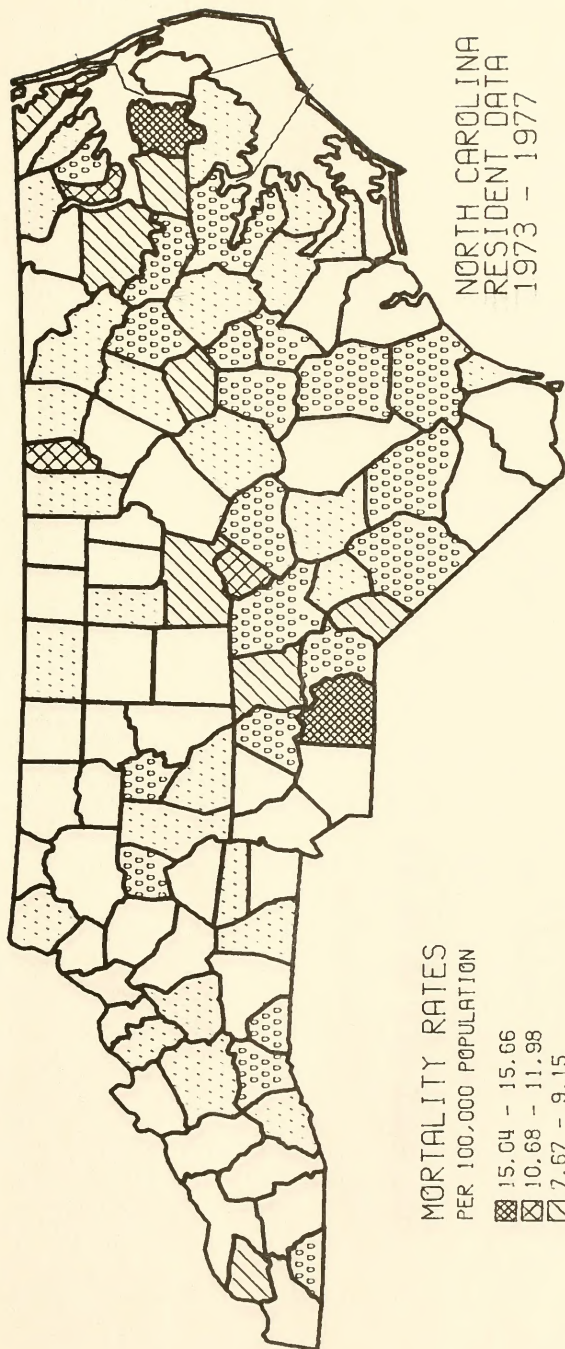
COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	2	3.57	11	3.99	2.25
43 HARNETT	4	7.23	18	6.70	6.98
44 HAYWOOD	2	4.56	5	2.29	1.40
45 HENDERSON	3	5.88	17	7.00	5.66
46 HERTFORD	1	4.12	2	1.68	1.27
47 HOKE	2	10.73	4	4.56	3.85
48 HYDE	0	0.00	1	3.60	2.22
49 IREDELL	5	6.36	19	4.90	5.76
50 JACKSON	1	4.00	3	2.45	1.98
51 JOHNSTON	4	6.09	11	3.39	3.29
52 JONES	0	0.00	1	2.08	2.20
53 LEE	2	5.81	20	11.98	11.52
54 LENOIR	6	10.07	18	6.12	5.31
55 LINCOLN	1	2.64	9	4.86	7.05
56 MCDOWELL	4	11.84	9	5.24	7.52
57 MACON	1	5.30	2	2.23	1.31
58 MADISON	0	0.00	2	2.39	1.23
59 MARTIN	3	11.73	8	6.39	5.48
60 MECKLENBURG	5	1.32	46	2.45	2.80
61 MITCHELL	1	7.15	1	1.44	0.61
62 MONTGOMERY	1	5.21	8	8.19	6.91
63 MOORE	2	4.58	13	6.13	4.96
64 NASH	1	1.49	14	4.33	3.34
65 NEW HANOVER	2	2.05	23	4.83	4.29
66 NORTHAMPTON	1	4.27	3	2.58	0.93
67 ONSLOW	0	0.00	6	1.17	3.05
68 ORANGE	1	1.45	3	0.88	1.05
69 PAMLICO	0	0.00	2	4.22	2.78
70 PASQUOTANK	0	0.00	5	3.57	2.90
71 PENDER	1	4.63	7	6.80	3.24
72 PERQUIMANS	1	11.45	3	7.10	3.78
73 PERSON	0	0.00	3	2.22	1.57
74 PITT	4	5.01	19	4.89	4.08
75 POLK	0	0.00	4	6.34	3.15
76 RANDOLPH	0	0.00	5	1.21	1.07
77 RICHMOND	1	2.39	14	6.82	5.92
78 ROBESON	4	4.27	29	6.29	6.29
79 ROCKINGHAM	2	2.65	17	4.44	4.31
80 ROWAN	4	4.28	20	4.32	3.99
81 RUTHERFORD	1	1.95	8	3.18	3.02
82 SAMPSON	0	0.00	5	2.09	1.59
83 SCOTLAND	3	10.09	13	8.87	10.51
84 STANLY	2	4.44	13	5.80	5.81
85 STOKES	1	3.42	3	2.13	2.98
86 SURRY	1	1.79	8	2.92	3.29
87 SWAIN	0	0.00	1	2.04	1.45
88 TRANSYLVANIA	0	0.00	4	3.79	3.31
89 TYRRELL	1	26.37	3	15.66	10.99
90 UNION	2	3.14	5	1.61	1.93
91 VANCE	3	8.68	18	10.71	6.50
92 WAKE	5	1.81	28	2.12	2.44
93 WARREN	1	5.88	4	4.80	3.18
94 WASHINGTON	0	0.00	6	8.39	6.47
95 WATAUGA	0	0.00	1	0.70	0.49
96 WAYNE	5	5.49	29	6.45	6.10
97 WILKES	0	0.00	1	0.37	0.26
98 WILSON	2	3.26	24	8.02	7.22
99 YADKIN	2	7.40	3	2.24	3.60
100 YANCEY	0	0.00	3	4.31	2.59

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

HYPERTENSION



MORTALITY RATES
PER 100,000 POPULATION

- 15.04 - 15.66
- 10.68 - 11.98
- 7.67 - 9.15
- 5.49 - 7.28
- 3.39 - 5.24
- 0.00 - 3.18

FIGURE 6.A

HYPERTENSION

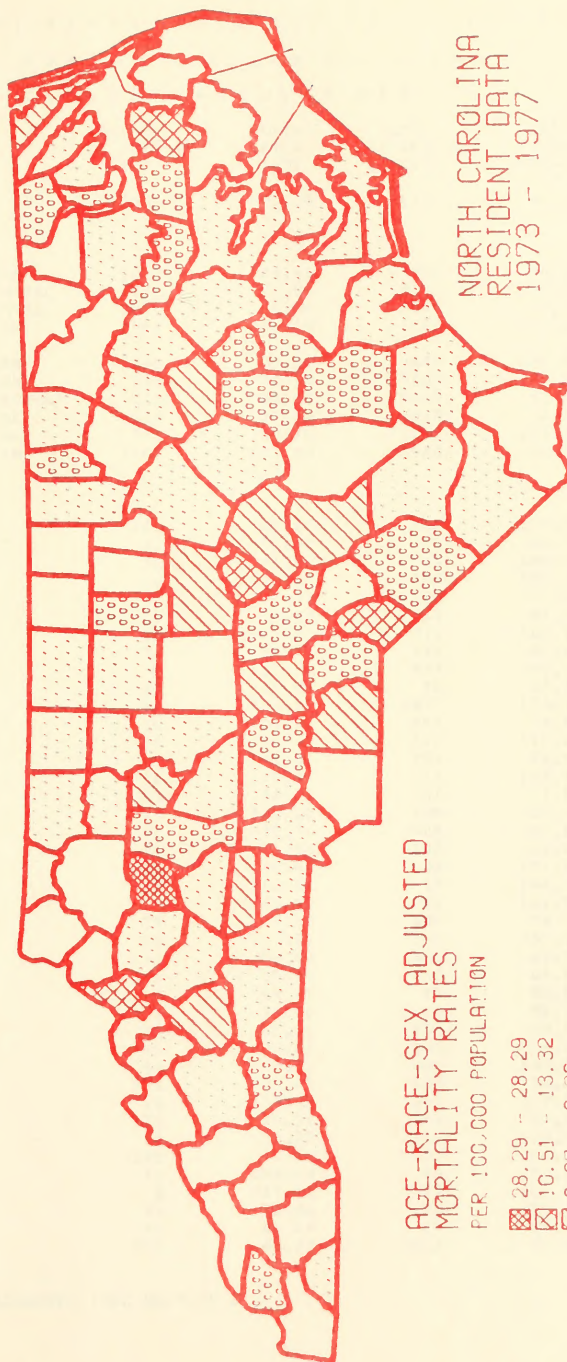


FIGURE 6.B

TABLE 7

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

CEREBROVASCULAR DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	5022	90.89	26761	98.64	98.64
REGIONS					
DHR I WESTERN	1667	88.81	8938	96.30	92.70
DHR II N. CENTRAL	1085	91.53	5774	98.41	96.07
DHR III S. CENTRAL	1009	80.54	5549	90.71	102.07
DHR IV EASTERN	1261	104.19	6500	110.86	109.54
HSA I WESTERN	845	89.28	4698	100.59	88.73
HSA II PIEDMONT	943	90.19	5007	96.73	96.97
HSA III S. PIEDMONT	822	88.33	4240	91.95	97.21
HSA IV CAPITAL	588	77.62	3212	86.97	88.97
HSA V CARDINAL	777	92.70	4162	101.32	111.98
HSA VI EASTERN	1047	103.95	5442	111.73	110.76
COUNTIES					
1 ALAMANCE	105	106.10	521	104.96	106.16
2 ALEXANDER	13	58.51	71	65.04	65.51
3 ALLEGHANY	16	181.57	84	192.43	116.33
4 ANSON	26	108.87	156	130.39	84.23
5 ASHE	15	73.83	100	99.64	60.51
6 AVERY	14	100.87	61	87.63	74.25
7 BEAUFORT	60	151.96	311	163.50	125.04
8 BERTIE	34	159.61	191	183.18	116.10
9 BLADEN	34	115.76	207	145.13	122.55
10 BRUNSWICK	23	69.74	96	59.31	62.22
11 BUNCOMBE	161	106.51	1002	133.22	101.79
12 BURKE	41	64.25	248	76.89	79.27
13 CABARRUS	95	120.15	465	118.83	118.54
14 CALDWELL	41	67.85	227	75.47	95.64
15 CAMDEN	10	175.07	40	139.51	99.43
16 CARTERET	31	83.58	138	77.54	78.06
17 CASWELL	29	150.25	128	130.72	112.60
18 CATAWBA	76	75.96	408	82.69	103.43
19 CHATHAM	29	94.96	158	104.85	89.20
20 CHEROKEE	15	85.46	92	107.55	85.38
21 CHOWAN	12	102.86	79	140.74	109.42
22 CLAY	2	35.70	28	101.93	48.99
23 CLEVELAND	77	98.93	309	79.75	81.64
24 COLUMBUS	69	135.01	341	135.30	134.10
25 CRAVEN	47	68.42	301	88.97	117.55
26 CUMBERLAND	128	55.34	613	53.95	117.20
27 CURRITUCK	7	69.67	47	96.36	84.54
28 DARE	8	78.00	43	93.75	93.63
29 DAVIDSON	82	80.16	431	85.51	91.85
30 DAVIE	22	98.83	100	95.12	82.90
31 DUPLIN	60	148.93	259	130.59	116.79
32 DURHAM	104	72.45	587	83.28	80.93
33 EDGECOMBE	73	133.55	397	147.57	141.09
34 FORSYTH	179	78.51	992	87.91	91.46
35 FRANKLIN	36	127.37	159	113.36	89.69
36 GASTON	125	79.64	657	84.34	92.30
37 GATES	10	120.49	66	158.76	112.58
38 GRAHAM	8	117.42	37	112.85	153.34
39 GRANVILLE	25	76.30	123	74.80	63.33
40 GREENE	14	94.17	74	98.83	103.04
41 GUILFORD	259	85.08	1412	93.94	96.58

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
CEREBROVASCULAR DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	76	135.98	393	142.85	115.54
43 HARNETT	49	88.59	245	91.20	96.17
44 HAYWOOD	46	104.95	275	126.45	101.36
45 HENDERSON	58	113.74	324	133.53	89.24
46 HERTFORD	25	103.12	132	110.99	73.45
47 HOKE	13	70.12	91	103.75	112.08
48 HYDE	10	173.97	40	144.23	85.04
49 IREDELL	83	105.74	392	101.17	93.97
50 JACKSON	16	64.15	66	53.98	53.73
51 JOHNSTON	62	94.52	327	100.90	98.34
52 JONES	13	137.18	54	112.77	96.98
53 LEE	36	104.67	174	104.27	103.83
54 LENOIR	88	147.70	390	132.67	130.42
55 LINCOLN	47	124.36	201	108.74	114.71
56 MCDOWELL	39	115.49	174	101.47	117.57
57 MACON	15	79.56	75	83.68	49.11
58 MADISON	16	92.95	119	142.22	93.89
59 MARTIN	20	78.20	137	109.58	100.26
60 MECKLENBURG	264	70.11	1375	73.43	85.94
61 MITCHELL	16	114.44	97	139.80	82.95
62 MONTGOMERY	16	83.39	114	116.84	90.61
63 MOORE	60	137.62	318	150.02	119.78
64 NASH	88	131.65	438	135.68	129.36
65 NEW HANOVER	95	97.52	484	101.74	100.99
66 NORTHAMPTON	17	72.59	134	115.58	80.75
67 ONSLOW	30	25.92	168	32.78	108.59
68 ORANGE	27	39.25	214	63.15	80.33
69 PAMLICO	10	101.79	60	126.65	89.59
70 PASQUOTANK	34	118.08	139	99.29	79.87
71 PENDER	27	125.07	137	133.18	104.11
72 PERQUIMANS	13	148.86	63	149.23	81.39
73 PERSON	26	95.42	144	106.77	94.84
74 PITT	75	93.93	387	99.66	110.40
75 POLK	27	209.38	88	139.52	77.26
76 RANDOLPH	82	98.53	456	110.86	116.39
77 RICHMOND	55	131.73	331	161.42	148.16
78 ROBESON	102	109.03	593	128.78	136.12
79 ROCKINGHAM	91	120.79	548	117.15	106.89
80 ROWAN	97	104.01	447	118.25	97.58
81 RUTHERFORD	51	99.87	296	117.73	97.11
82 SAMPSON	53	108.41	267	111.79	101.21
83 SCOTLAND	27	90.87	169	115.34	135.26
84 STANLY	50	111.24	301	134.48	122.61
85 STOKES	20	68.52	107	76.13	73.91
86 SURRY	47	84.56	253	92.40	78.42
87 SWAIN	8	77.26	41	83.80	59.59
88 TRANSYLVANIA	12	54.62	91	86.37	137.66
89 TYRRELL	5	131.89	32	167.09	98.00
90 UNION	61	96.01	302	97.51	109.33
91 VANCE	36	104.16	221	131.50	93.91
92 WAKE	188	68.41	985	74.80	92.92
93 WARREN	19	111.73	120	144.06	84.07
94 WASHINGTON	10	66.76	60	83.97	85.53
95 WATAUGA	13	45.29	103	73.02	65.36
96 WAYNE	97	106.55	475	105.73	124.99
97 WILKES	28	50.90	186	68.96	58.72
98 WILSON	70	114.17	394	131.70	131.46
99 YADKIN	27	100.00	159	119.21	106.97
100 YANCEY	21	145.71	96	138.01	138.31

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

CEREBROVASCULAR DISEASE

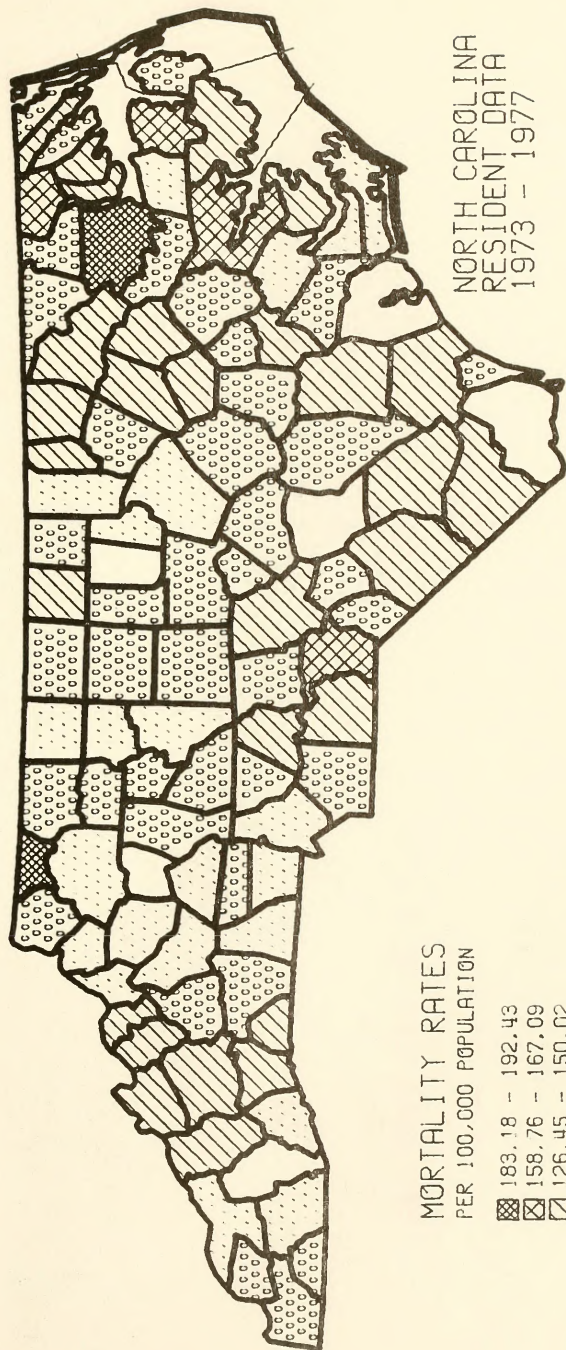


FIGURE 7.A

CEREBROVASCULAR DISEASE

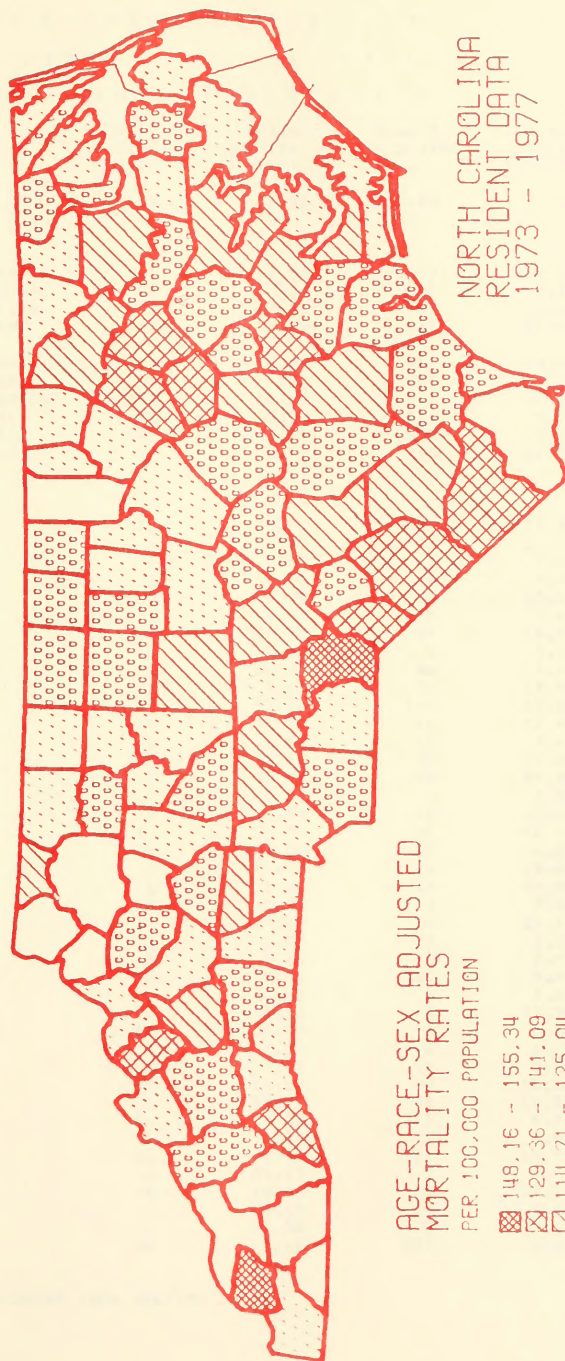


FIGURE 7.B

TABLE 8

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

ARTERIOSCLEROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	626	11.33	3129	11.53	11.53
REGIONS					
OHR I WESTERN	250	13.31	1140	12.28	11.59
OHR II N. CENTRAL	98	8.26	579	9.86	9.53
OHR III S. CENTRAL	171	13.65	733	11.98	13.85
OHR IV EASTERN	107	8.84	677	11.54	12.01
HSA I WESTERN	149	15.74	649	13.89	11.70
HSA II PIEDMONT	92	8.79	529	10.22	10.09
HSA III S. PIEDMONT	101	10.85	491	10.64	11.36
HSA IV CAPITAL	75	9.90	364	9.85	10.64
HSA V CARDINAL	121	14.43	558	13.58	15.21
HSA VI EASTERN	88	8.73	538	11.04	11.67
COUNTIES					
1 ALAMANCE	10	10.10	64	12.89	13.67
2 ALEXANDER	4	18.00	13	11.91	18.51
3 ALLEGHANY	0	0.00	1	2.29	0.82
4 ANSON	1	4.18	8	6.68	3.45
5 ASHE	9	44.30	36	35.87	17.57
6 AVERY	1	7.20	6	8.61	5.74
7 BEAUFORT	7	17.72	27	14.19	11.80
8 BERTIE	0	0.00	4	3.83	3.72
9 BLADEN	6	20.42	26	18.23	13.40
10 BRUNSWICK	1	3.03	22	13.59	14.29
11 BUNCOMBE	26	17.20	148	19.67	13.26
12 BURKE	11	17.24	40	12.40	10.29
13 CABARRUS	2	2.52	15	3.83	3.68
14 CALDWELL	12	19.85	32	10.64	14.48
15 CAMDEN	2	35.01	10	34.87	29.26
16 CARTERET	2	5.39	7	3.93	3.17
17 CASWELL	2	10.36	12	12.25	10.62
18 CATAWBA	11	10.99	60	12.16	14.96
19 CHATHAM	8	26.19	25	16.59	14.50
20 CHEROKEE	4	22.79	17	19.87	17.33
21 CHOWAN	1	8.57	17	30.28	25.19
22 CLAY	0	0.00	2	7.28	4.74
23 CLEVELAND	11	14.13	43	11.09	11.28
24 COLUMBUS	3	5.87	24	9.52	8.31
25 CRAVEN	3	4.36	32	9.45	14.91
26 CUMBERLAND	12	5.18	61	5.36	12.60
27 CURRITUCK	0	0.00	4	8.20	6.30
28 DARE	2	19.50	5	10.90	6.20
29 DAVIDSON	10	9.77	47	9.32	9.81
30 DAVIE	0	0.00	6	5.70	4.57
31 DUPLIN	3	7.44	19	9.58	9.27
32 DURHAM	21	14.63	94	13.33	14.39
33 EDGECOMBE	6	10.97	41	15.24	15.05
34 FORSYTH	10	4.38	72	6.38	6.98
35 FRANKLIN	1	3.53	5	3.56	2.96
36 GASTON	14	8.92	102	13.09	15.26
37 GATES	2	24.09	3	7.21	3.78
38 GRAHAM	2	29.35	6	18.30	10.92
39 GRANVILLE	1	3.05	14	8.51	9.72
40 GREENE	3	20.18	9	12.02	16.28
41 GUILFORD	24	7.88	143	9.51	9.81

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
ARTERIOSCLEROSIS CONT'D.

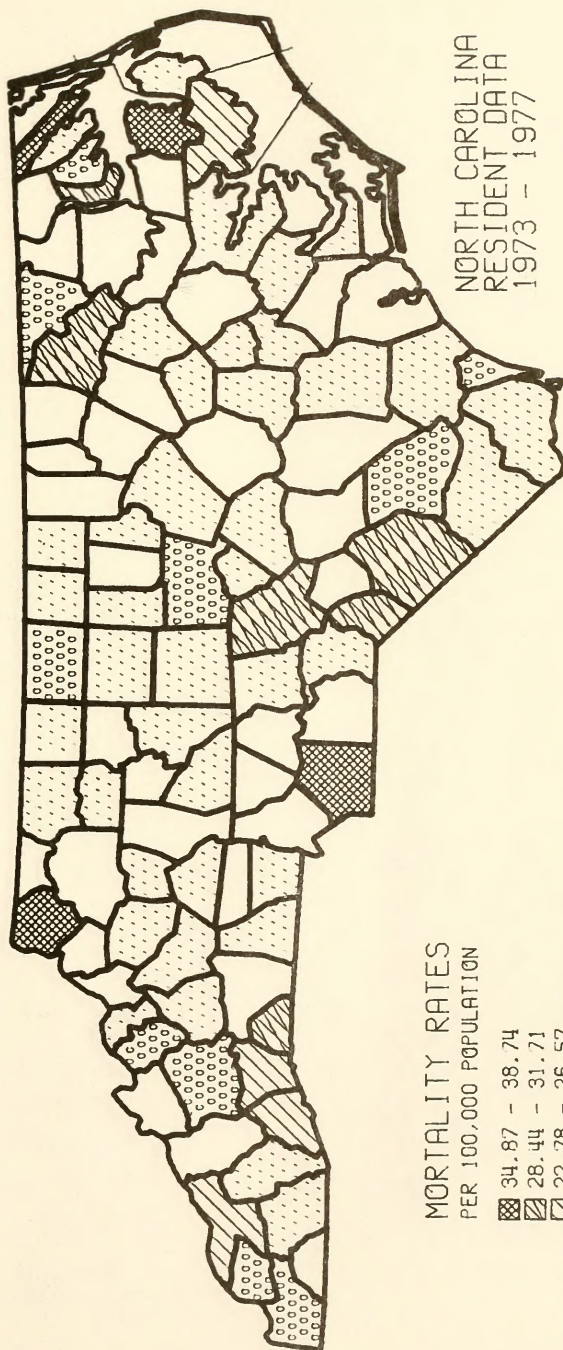
COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	15	26.83	87	31.62	24.09
43 HARNETT	4	7.23	25	9.30	9.69
44 HAYWOOD	3	6.84	17	7.81	4.41
45 HENDERSON	14	27.45	58	23.90	16.22
46 HERTFORD	1	4.12	8	6.72	4.53
47 HOKE	2	10.78	7	7.98	8.45
48 HYDE	1	17.39	7	25.24	12.76
49 IREDELL	6	7.64	29	7.48	7.18
50 JACKSON	4	16.03	14	11.45	9.88
51 JOHNSTON	3	4.57	27	8.33	8.61
52 JONES	0	0.00	1	2.08	2.79
53 LEE	7	20.35	22	13.18	12.81
54 LENOIR	7	11.74	33	11.22	13.79
55 LINCOLN	4	10.58	15	8.11	9.47
56 MCDOWELL	4	11.84	17	9.91	23.13
57 MACON	2	10.60	12	13.38	6.32
58 MADISON	2	11.61	7	8.36	28.96
59 MARTIN	3	11.73	10	7.99	10.83
60 MECKLENBURG	29	7.70	135	7.21	8.65
61 MITCHELL	3	21.45	8	11.53	60.16
62 MONTGOMERY	2	10.42	13	13.32	9.24
63 MOORE	15	34.40	65	30.66	23.46
64 NASH	4	5.98	25	7.74	7.49
65 NEW HANOVER	15	15.39	79	16.60	17.01
66 NORTHAMPTON	5	21.35	20	17.25	11.89
67 ONSLOW	3	2.59	17	3.31	13.51
68 ORANGE	5	7.26	21	6.19	7.64
69 PAMLICO	0	0.00	4	8.44	5.74
70 PASQUOTANK	0	0.00	20	14.28	12.14
71 PENDER	0	0.00	14	13.60	11.28
72 PERQUIMANS	1	11.45	9	21.31	11.82
73 PERSON	2	7.34	13	9.63	9.96
74 PITT	6	7.51	25	6.43	8.18
75 POLK	3	23.26	20	31.71	16.86
76 RANDOLPH	11	13.21	50	12.15	12.34
77 RICHMOND	3	7.18	23	11.21	10.96
78 ROBESON	34	36.34	131	28.44	32.39
79 ROCKINGHAM	16	21.23	71	18.56	16.36
80 ROWAN	13	13.93	58	12.53	9.55
81 RUTHERFORD	8	15.66	21	8.35	7.57
82 SAMPSON	5	10.22	17	7.11	6.80
83 SCOTLAND	18	60.58	43	29.34	39.01
84 STANLY	3	6.67	17	7.59	7.10
85 STOKES	1	3.42	16	11.38	10.94
86 SURRY	6	10.79	32	11.68	9.64
87 SWAIN	5	48.29	13	26.57	17.63
88 TRANSYLVANIA	4	18.20	24	22.78	17.88
89 TYRRELL	2	52.75	7	36.55	28.04
90 UNION	30	47.21	120	38.74	43.81
91 VANCE	1	2.89	14	8.33	7.26
92 WAKE	25	9.09	125	9.49	12.24
93 WARREN	1	5.88	4	4.80	3.24
94 WASHINGTON	0	0.00	6	8.39	7.24
95 WATAUGA	3	10.45	9	6.38	13.96
96 WAYNE	6	6.59	41	9.12	10.90
97 WILKES	1	1.81	11	4.07	4.67
98 WILSON	3	4.89	40	13.37	13.55
99 YADKIN	2	7.40	16	11.99	8.15
100 YANCEY	2	13.87	14	20.12	20.10

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

ARTERIOSCLEROSIS



MORTALITY RATES
PER 100,000 POPULATION

- 34.87 - 38.74
- 28.44 - 31.71
- 22.78 - 26.57
- 16.59 - 21.31
- 9.12 - 15.24
- 2.08 - 8.61

FIGURE 8. A

ARTERIOSCLEROSIS

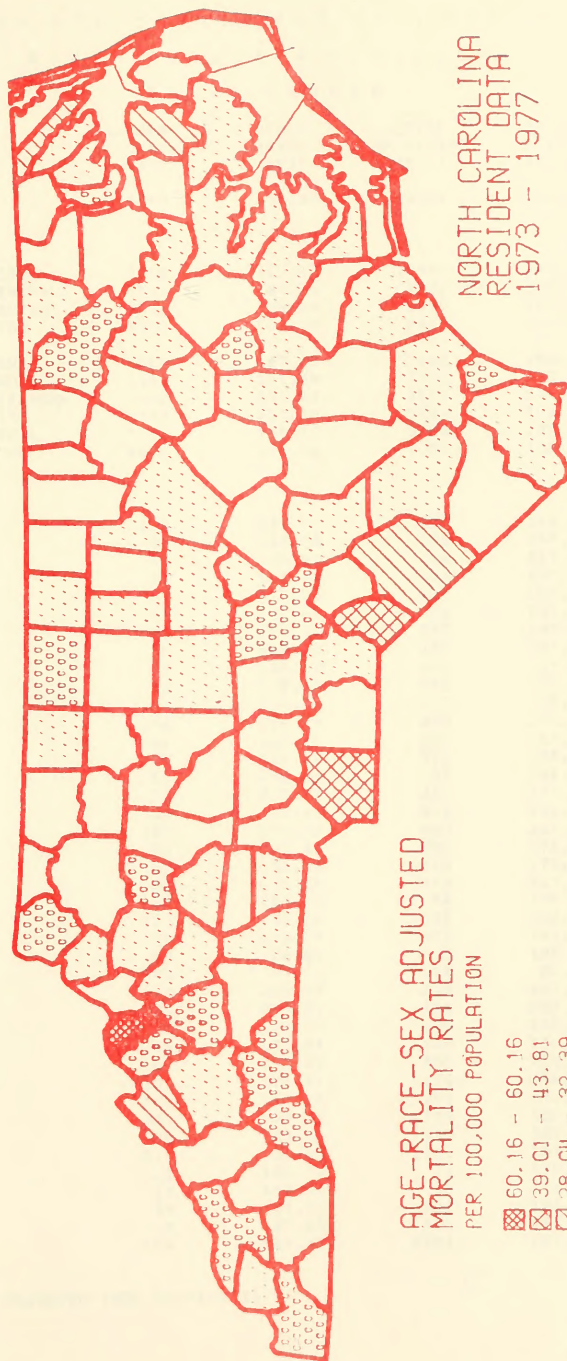


FIGURE 8.B

TABLE 9

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

TOTAL CANCER

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE* 1973-77
NORTH CAROLINA	8583	155.34	39664	146.20	146.20
REGIONS					
DHR I WESTERN	3012	160.47	13844	149.16	143.24
DHR II N. CENTRAL	1907	160.88	8922	152.07	147.08
DHR III S. CENTRAL	1712	136.67	8009	130.92	148.18
DHR IV EASTERN	1952	161.29	8869	151.61	154.40
HSA I WESTERN	1582	167.15	7183	153.79	139.63
HSA II PIEDMONT	1690	161.64	7772	150.15	148.58
HSA III S. PIEDMONT	1430	153.67	6661	144.46	147.89
HSA IV CAPITAL	1137	150.10	5344	144.70	150.90
HSA V CARDINAL	1103	131.60	5308	129.22	144.51
HSA VI EASTERN	1641	162.93	7396	151.84	155.72
COUNTIES					
1 ALAMANCE	192	194.01	828	166.82	157.94
2 ALEXANDER	36	162.03	158	144.75	170.38
3 ALLEGHANY	19	215.61	96	219.92	134.35
4 ANSON	39	163.31	186	155.46	117.87
5 ASHE	36	177.20	167	166.40	120.42
6 AVERY	17	122.49	98	140.79	174.58
7 BEAUFORT	80	202.61	372	195.57	158.37
8 BERTIE	39	183.08	196	187.98	151.26
9 BLADEN	42	143.00	196	137.42	132.08
10 BRUNSWICK	46	139.48	210	129.75	134.30
11 BUNCOMBE	291	192.51	1425	189.45	152.18
12 BURKE	106	166.13	395	122.47	122.38
13 CABARRUS	144	182.13	626	159.97	145.80
14 CALDWELL	75	124.12	371	123.36	139.67
15 CAMDEN	14	245.09	57	198.80	176.53
16 CARTERET	79	213.01	310	174.20	162.16
17 CASWELL	33	170.97	143	146.03	128.67
18 CATAWBA	150	149.93	635	128.69	140.55
19 CHATHAM	56	183.37	258	171.21	152.56
20 CHEROKEE	27	153.83	150	175.35	138.86
21 CHOWAN	22	188.58	120	213.79	176.91
22 CLAY	12	214.24	48	174.74	169.86
23 CLEVELAND	117	150.33	538	138.85	142.15
24 COLUMBUS	70	136.97	371	147.20	142.13
25 CRAVEN	87	126.65	415	122.67	163.70
26 CUMBERLAND	203	87.78	916	80.61	157.15
27 CURRITUCK	27	268.73	102	209.13	180.12
28 DARE	26	253.51	119	259.46	199.12
29 DAVIDSON	137	133.93	626	124.19	126.27
30 DAVIE	35	157.23	168	159.81	135.96
31 DUPLIN	62	153.89	307	154.80	143.59
32 DURHAM	251	174.87	1176	166.85	164.06
33 EDGECOMBE	101	184.78	458	170.25	160.21
34 FORSYTH	387	169.75	1706	151.19	154.79
35 FRANKLIN	34	120.30	217	154.72	128.32
36 GASTON	214	136.35	1106	141.98	144.28
37 GATES	11	132.54	71	170.79	129.15
38 GRAHAM	13	190.81	47	143.36	111.46
39 GRANVILLE	39	119.03	211	128.32	114.82
40 GREENE	19	127.80	102	136.23	147.11
41 GUILFORD	488	160.31	2281	151.76	156.52

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
TOTAL CANCER CONT'D.

COUNTIES (CONT'D.)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	114	203.97	467	169.75	149.77
43 HARNETT	73	131.99	399	148.53	150.71
44 HAYWOOD	78	177.96	330	151.74	125.80
45 HENOKESSON	100	196.11	488	201.12	152.20
46 HERTFORD	44	181.49	196	164.81	137.05
47 Hoke	22	118.67	95	108.31	128.03
48 HYOE	13	226.16	45	162.26	118.65
49 IREDELL	115	146.50	574	148.14	138.25
50 JACKSON	45	180.44	169	138.24	138.09
51 JOHNSTON	135	205.82	515	158.92	148.51
52 JONES	15	158.29	80	167.06	147.93
53 LEE	40	116.30	246	147.41	145.71
54 LENOIR	108	181.27	448	152.40	150.02
55 LINCOLN	64	169.35	287	155.27	158.08
56 MCDOWELL	43	127.33	247	144.04	134.75
57 MACON	32	169.74	160	178.51	115.01
58 MADISON	23	133.61	121	144.61	97.85
59 MARTIN	36	140.76	189	151.17	142.63
60 MECKLENBURG	562	149.26	2563	136.89	159.22
61 MITCHELL	22	157.36	133	191.69	107.65
62 MONTGOMERY	26	135.51	162	166.04	141.03
63 MOORE	73	167.43	371	175.02	145.26
64 NASH	108	161.57	479	148.38	140.59
65 NEW HANOVER	154	158.09	732	153.88	156.97
66 NORTHAMPTON	44	187.89	216	186.30	144.09
67 ONSLOW	81	69.98	309	60.29	155.45
68 ORANGE	69	100.32	328	96.79	128.97
69 PAMLICO	18	183.22	80	168.86	126.70
70 PASQUOTANK	56	194.48	287	205.02	174.95
71 PENDER	41	189.92	180	174.98	157.39
72 PERQUIMANS	26	297.72	103	243.98	158.96
73 PERSON	36	132.12	211	156.45	146.36
74 PITT	126	157.81	580	149.36	166.92
75 POLK	44	341.21	153	242.59	155.01
76 RANDOLPH	116	139.39	551	133.96	131.09
77 RICHMOND	72	172.45	310	151.18	139.03
78 ROBESON	121	129.34	612	132.90	147.90
79 ROCKINGHAM	143	189.82	677	177.03	158.12
80 ROWAN	167	179.07	770	166.47	139.91
81 RUTHERFORD	96	188.00	428	170.24	143.77
82 SAMPSON	76	155.46	355	148.64	129.86
83 SCOTLAND	45	151.45	213	145.37	163.05
84 STANLY	83	184.67	360	160.84	146.02
85 STOKES	34	116.49	176	125.22	128.32
86 SURRY	87	156.53	416	151.93	139.03
87 SWAIN	19	183.50	79	161.47	138.39
88 TRANSYLVANIA	34	154.78	148	140.48	174.06
89 TYRRELL	5	131.89	35	182.75	135.86
90 UNION	81	127.49	375	121.08	126.49
91 VANCE	62	179.39	322	191.60	171.16
92 WAKE	369	134.28	1671	126.90	155.11
93 WARREN	46	270.52	189	226.89	159.63
94 WASHINGTON	30	200.30	128	179.14	181.80
95 WATAUGA	35	121.95	148	104.93	110.27
96 WAYNE	133	146.10	613	136.45	160.96
97 WILKES	85	154.52	337	124.95	124.36
98 WILSON	117	190.83	512	171.14	169.90
99 YAMOKIN	38	140.74	200	149.95	129.74
100 YANCEY	27	187.34	114	163.89	139.98

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

TOTAL CANCER

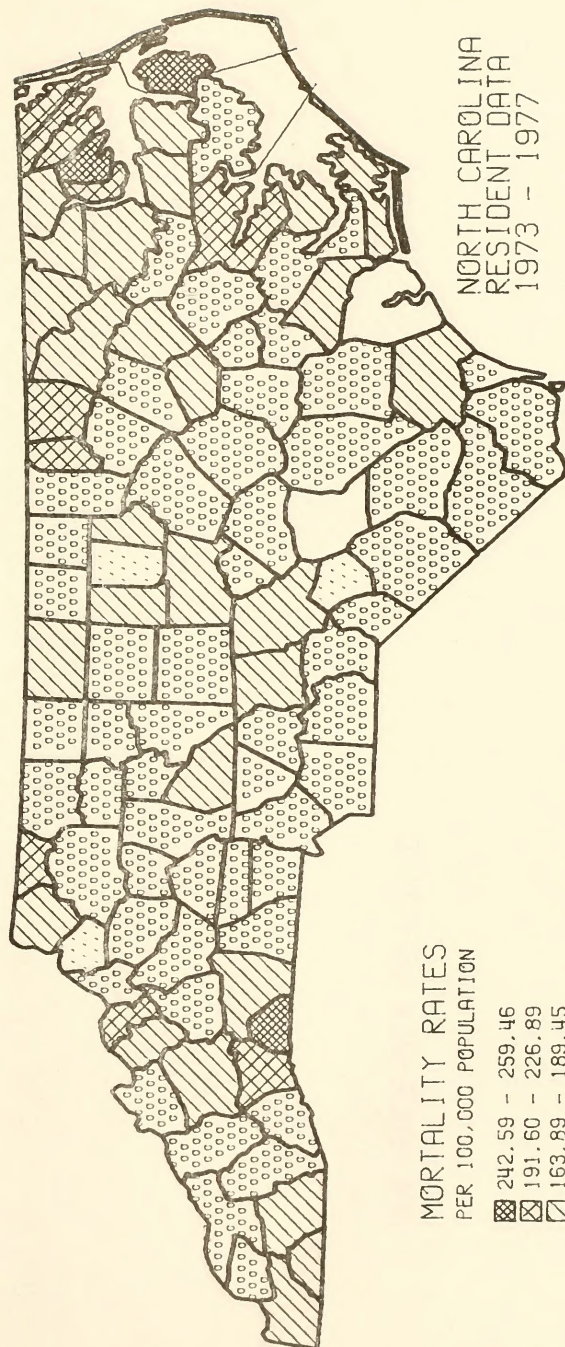


FIGURE 9.A

MORTALITY RATES

PER 100,000 POPULATION

- 242.59 - 259.46
- 191.60 - 226.89
- 163.89 - 189.45
- 121.08 - 162.26
- 96.79 - 108.31
- 60.29 - 80.61

TOTAL CANCER

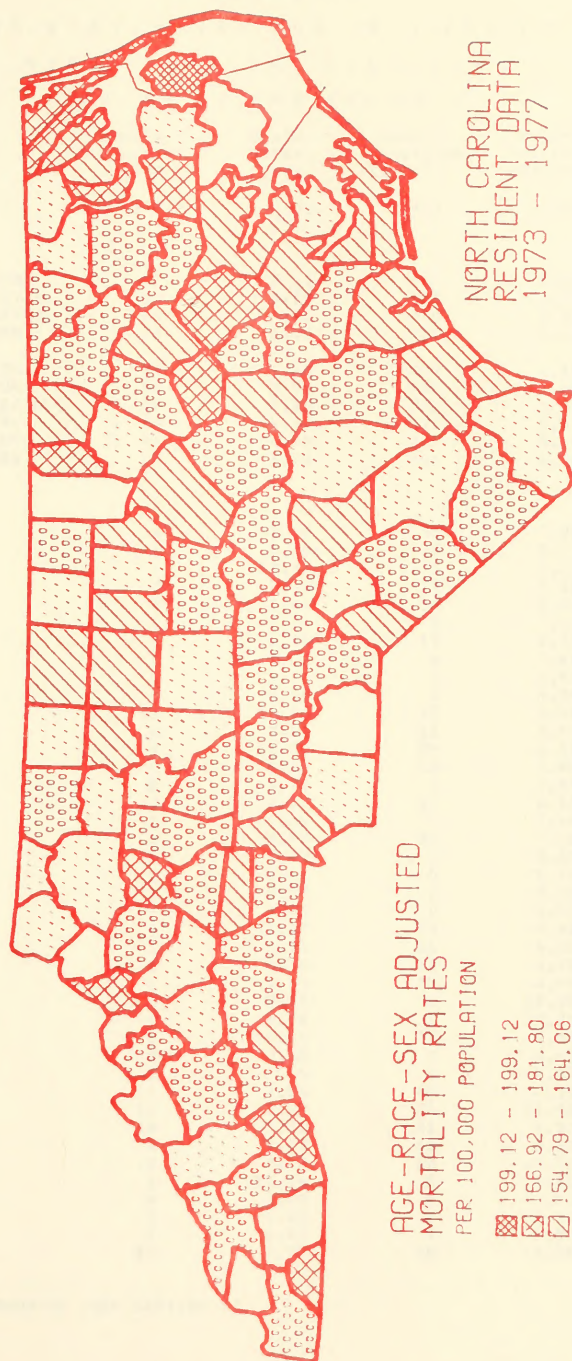


FIGURE 9.B

TABLE 10

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

CANCER OF THE STOMACH

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	295	5.33	1443	5.31	5.31
REGIONS					
DHR I WESTERN	98	5.22	487	5.24	5.47
DHR II N. CENTRAL	64	5.39	291	4.95	4.89
DHR III S. CENTRAL	60	4.78	306	5.00	5.37
DHR IV EASTERN	73	6.03	359	6.12	5.54
HSA I WESTERN	58	6.12	287	6.14	6.13
HSA II PIEDMONT	58	5.54	257	4.96	5.16
HSA III S. PIEDMONT	40	4.29	200	4.33	4.73
HSA IV CAPITAL	33	4.35	171	4.63	4.56
HSA V CARDINAL	40	4.77	222	5.40	5.67
HSA VI EASTERN	66	6.55	306	6.28	5.62
COUNTIES					
1 ALAMANCE	9	9.09	35	7.05	7.06
2 ALEXANDER	0	0.00	3	2.74	2.40
3 ALLEGHANY	1	11.34	4	9.16	4.44
4 ANSON	0	0.00	7	5.85	2.93
5 ASHE	0	0.00	10	9.96	5.90
6 AVERY	0	0.00	5	7.18	5.40
7 BEAUFORT	2	5.06	17	8.93	6.25
8 BERTIE	0	0.00	8	7.67	5.24
9 BLADEN	0	0.00	5	3.50	3.45
10 BRUNSWICK	0	0.00	8	4.94	4.73
11 BUNCOMBE	13	8.60	51	6.78	6.00
12 BURKE	2	3.13	11	3.41	3.41
13 CABARRUS	9	11.38	24	6.13	6.68
14 CALDWELL	5	8.27	13	4.32	5.00
15 CAMDEN	0	0.00	1	3.48	3.36
16 CARTEKET	0	0.00	11	6.18	4.89
17 CASWELL	2	10.36	7	7.14	6.39
18 CATAWBA	5	4.99	22	4.45	5.73
19 CHATHAM	1	3.27	8	5.30	4.06
20 CHEROKEE	0	0.00	5	5.84	3.23
21 CHOWAN	1	8.57	2	3.56	1.94
22 CLAY	0	0.00	0	0.00	0.00
23 CLEVELAND	8	10.27	23	5.93	6.21
24 COLUMBUS	1	1.95	11	4.36	4.41
25 CRAVEN	6	8.73	16	4.72	5.88
26 CUMBERLAND	6	2.59	39	3.43	6.62
27 CURRITUCK	1	9.95	6	12.30	10.58
28 DARE	0	0.00	7	15.26	8.93
29 DAVIDSON	0	0.00	13	2.57	3.38
30 DAVIE	2	8.98	7	6.65	5.94
31 DUPLIN	1	2.48	8	4.03	2.60
32 DURHAM	11	7.66	43	6.10	5.63
33 EDGEcombe	10	18.29	31	11.52	8.65
34 FORSYTH	16	7.01	51	4.51	4.50
35 FRANKLIN	2	7.07	12	8.55	5.85
36 GASTON	9	5.73	36	4.62	4.79
37 GATES	1	12.04	2	4.81	1.46
38 GRAHAM	0	0.00	0	0.00	0.00
39 GRANVILLE	0	0.00	4	2.43	1.67
40 GREENE	1	6.72	6	8.01	6.02
41 GUILFORD	20	6.57	80	5.32	5.69

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
CANCER OF THE STOMACH CONT'D.

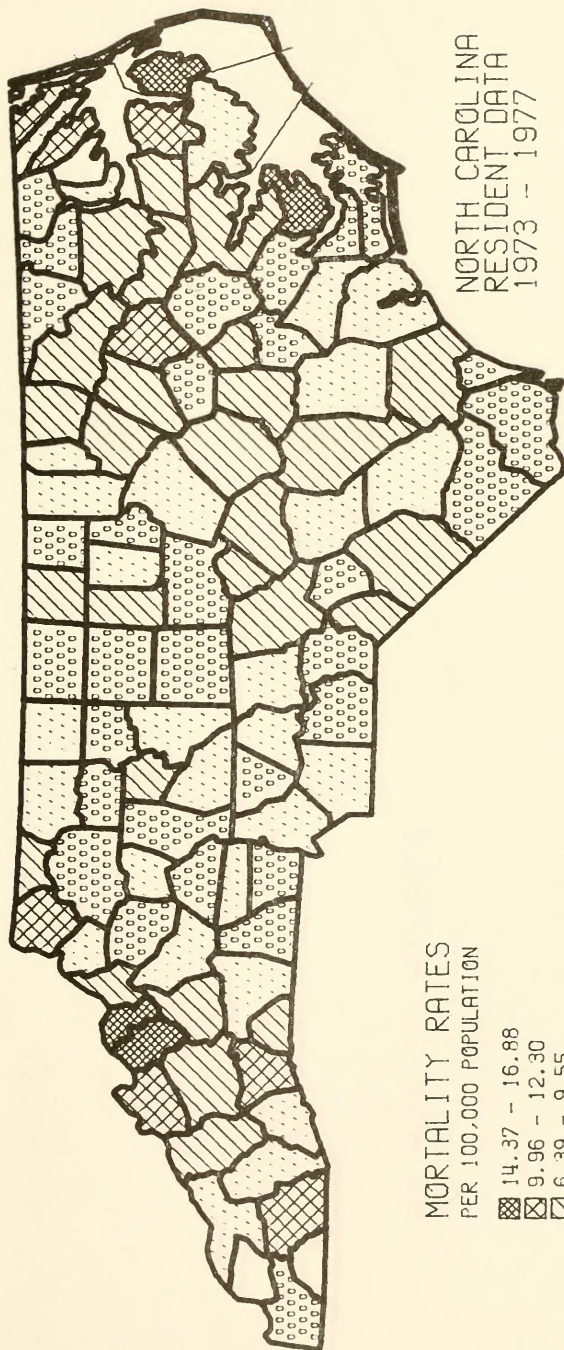
COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE* 1973-77
42 HALIFAX	6	10.73	21	7.63	4.64
43 HARNETT	6	10.84	23	8.56	8.71
44 HAYWOOD	5	11.40	19	8.73	9.85
45 HENDERSON	3	5.88	25	10.30	8.29
46 HERTFORD	1	4.12	7	5.88	3.60
47 HOKE	1	5.39	4	4.56	3.55
48 HYOE	0	0.00	1	3.60	2.22
49 IREDELL	4	5.09	21	5.42	5.47
50 JACKSON	1	4.00	4	3.27	3.62
51 JOHNSTON	4	6.09	21	6.48	6.49
52 JONES	0	0.00	1	2.08	1.94
53 LEE	1	2.90	11	6.59	6.65
54 LENOIR	5	8.39	17	5.78	4.94
55 LINCOLN	1	2.64	7	3.78	4.43
56 MCDOWELL	3	8.88	15	8.74	8.30
57 MACON	1	5.30	10	11.15	5.41
58 MADISON	1	5.80	9	10.75	15.49
59 MARTIN	1	3.91	8	6.39	4.14
60 MECKLENBURG	15	3.98	75	4.00	4.72
61 MITCHELL	1	7.15	10	14.41	8.74
62 MONTGOMERY	0	0.00	4	4.09	3.65
63 MOORE	4	9.17	15	7.07	5.73
64 NASH	5	7.48	22	6.81	5.94
65 NEW HANOVER	5	5.13	26	5.46	5.35
66 NORTHAMPTON	1	4.27	7	6.03	3.71
67 ONSLOW	2	1.72	8	1.56	4.10
68 ORANGE	0	0.00	8	2.36	3.20
69 PAMLICO	2	20.35	8	16.88	13.04
70 PASQUOTANK	4	13.89	15	10.71	8.55
71 PENDEK	1	4.63	8	7.77	8.25
72 PERQUIMANS	0	0.00	0	0.00	0.00
73 PERSON	2	7.34	7	5.19	4.96
74 PITT	5	6.26	23	5.92	5.79
75 POLK	3	23.26	6	9.51	7.55
76 RANDOLPH	6	7.21	24	5.83	6.46
77 RICHMOND	3	7.18	9	4.38	3.71
78 ROBESON	7	7.48	31	6.73	5.76
79 ROCKINGHAM	2	2.65	20	5.23	4.59
80 ROWAN	0	0.00	19	4.10	3.82
81 RUTHERFORD	1	1.95	10	3.97	2.71
82 SAMPSON	4	8.18	18	7.53	6.43
83 SCOTLAND	2	6.73	14	9.55	10.05
84 STANLY	0	0.00	7	3.12	2.32
85 STOKES	1	3.42	4	2.84	3.60
86 SURRY	0	0.00	8	2.92	5.95
87 SWAIN	0	0.00	1	2.04	1.45
88 TRANSYLVANIA	1	4.55	4	3.79	15.70
89 TYRRELL	1	26.37	2	10.44	7.89
90 UNION	2	3.14	11	3.55	4.02
91 VANCE	1	2.89	4	2.38	1.67
92 WAKE	10	3.63	46	3.49	4.33
93 WARREN	1	5.88	7	8.40	5.68
94 WASHINGTON	2	13.35	5	6.99	5.67
95 WATAUGA	2	6.96	5	3.54	3.28
96 WAYNE	5	5.49	31	6.90	6.45
97 WILKES	1	1.81	12	4.44	8.39
98 WILSON	3	4.89	15	5.01	4.82
99 YADKIN	0	0.00	8	5.99	4.14
100 YANCEY	1	6.93	10	14.37	8.22

*SEE SECTION I

*AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

CANCER OF THE STOMACH



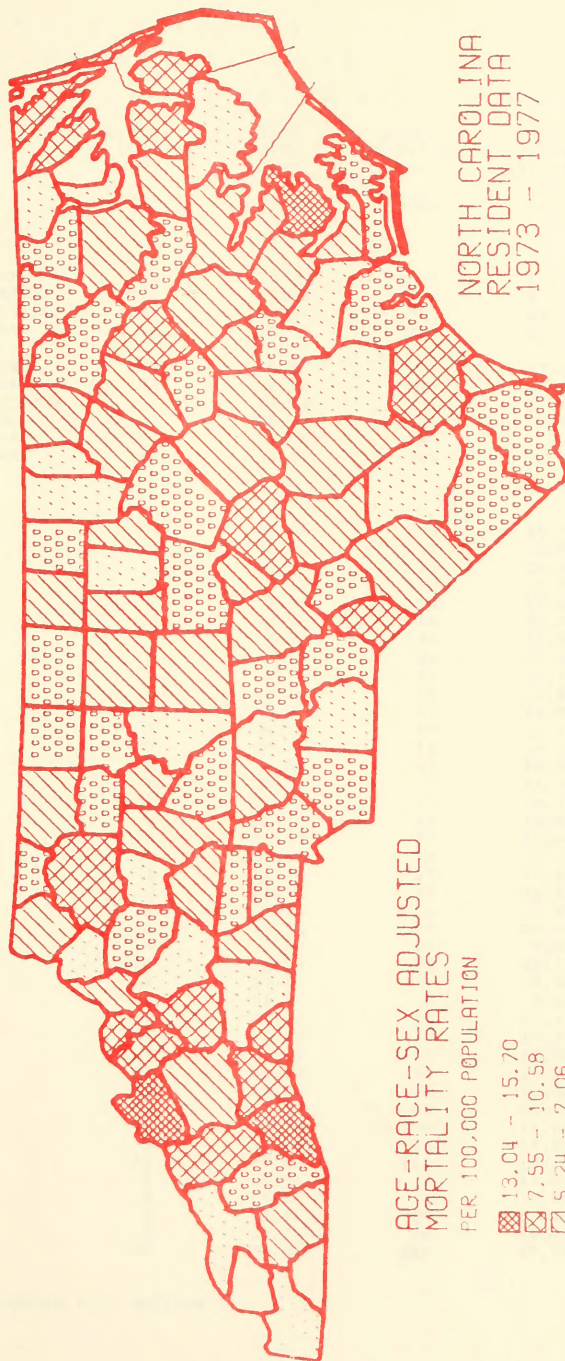
NORTH CAROLINA
RESIDENT DATA
1973 - 1977

MORTALITY RATES
PER 100,000 POPULATION

- 14.37 - 16.88
- 9.96 - 12.30
- 6.39 - 9.55
- 4.32 - 6.18
- 1.56 - 4.10
- 0.00 - 0.00

FIGURE 10.A

CANCER OF THE STOMACH



AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION

- 13.04 - 15.70
- 7.55 - 10.58
- 5.24 - 7.06
- 3.55 - 5.00
- 1.45 - 3.45
- 0.00 - 0.00

FIGURE 10.B

TABLE 11

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

CANCER OF THE COLON AND RECTUM

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	953	17.24	4346	16.02	16.02
REGIONS					
DHR I WESTERN	358	19.07	1605	17.29	16.37
DHR II N. CENTRAL	220	18.56	1012	17.24	16.68
DHR III S. CENTRAL	175	13.97	845	13.81	15.94
DHR IV EASTERN	200	16.52	884	15.07	15.67
HSA I WESTERN	173	18.27	811	17.36	14.77
HSA II PIEDMONT	196	18.74	887	17.13	16.96
HSA III S. PIEDMONT	185	19.88	794	17.22	17.70
HSA IV CAPITAL	123	16.23	576	15.59	16.24
HSA V CARDINAL	107	12.76	534	13.00	14.93
HSA VI EASTERN	169	16.77	744	15.27	16.06
COUNTIES					
1 ALAMANCE	29	29.30	99	19.94	19.14
2 ALEXANDER	4	18.00	17	15.57	18.81
3 ALLEGHANY	3	34.04	13	29.78	16.00
4 ANSON	3	12.56	16	13.37	9.83
5 ASHE	2	9.84	15	14.94	9.33
6 AVERY	3	21.61	16	22.98	87.60
7 BEAUFORT	5	12.66	24	12.61	10.93
8 BERTIE	5	23.47	22	21.09	19.55
9 BLADEN	0	0.00	21	14.72	13.69
10 BRUNSWICK	5	15.16	16	9.88	10.06
11 BUNCOMBE	30	19.84	164	21.80	16.29
12 BURKE	9	14.10	37	11.47	11.84
13 CABARRUS	19	24.03	75	19.16	16.97
14 CALDWELL	5	8.27	31	10.30	11.24
15 CAMDEN	3	52.52	9	31.39	28.64
16 CARTEKET	9	24.26	29	16.29	14.39
17 CASWELL	4	20.72	18	18.38	16.42
18 CATAWBA	19	18.99	87	17.63	18.61
19 CHATHAM	6	19.64	29	19.24	17.56
20 CHEROKEE	3	17.09	17	19.87	19.00
21 CHOWAN	3	25.71	18	32.06	29.52
22 CLAY	2	35.70	6	21.84	12.86
23 CLEVELAND	11	14.13	87	22.45	22.25
24 COLUMBUS	4	7.82	24	9.52	9.06
25 CRAVEN	11	16.01	50	14.77	21.39
26 CUMBERLAND	24	10.37	97	8.53	18.46
27 CURRITUCK	2	19.90	4	8.20	5.95
28 DARE	4	39.00	10	21.80	14.73
29 DAVIDSON	14	13.68	79	15.67	16.07
30 DAVIE	3	13.47	18	17.12	13.03
31 DUPLIN	6	14.89	34	17.14	15.04
32 DURHAM	28	19.50	131	18.58	18.32
33 EDGEcombe	8	14.63	51	18.95	18.37
34 FORSYTH	44	19.30	188	16.66	17.16
35 FRANKLIN	5	17.69	25	17.82	12.46
36 GASTON	21	13.38	118	15.14	16.27
37 GATES	1	12.04	11	26.46	24.01
38 GRAHAM	1	14.67	3	9.15	6.22
39 GRANVILLE	5	15.26	25	15.20	12.48
40 GREENE	3	20.18	14	18.69	20.01
41 GUILFORD	59	19.38	269	17.89	18.47

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
CANCER OF THE COLON AND RECTUM CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE* 1973-77
42 HALIFAX	8	14.31	47	17.08	16.27
43 HARNETT	7	12.65	52	19.35	20.01
44 HAYWOOD	7	15.97	28	12.87	8.09
45 HENDERSON	13	25.49	55	22.66	15.19
46 HERTFORD	7	28.87	25	21.02	14.55
47 HOKE	3	16.18	11	12.54	18.40
48 HYDE	3	52.19	5	18.02	11.13
49 IREDELL	12	15.28	69	17.80	16.90
50 JACKSON	4	16.03	22	17.99	19.54
51 JOHNSTON	15	22.86	53	16.35	15.61
52 JONES	0	0.00	7	14.61	14.43
53 LEE	7	20.35	32	19.17	18.57
54 LENOIR	12	20.14	46	15.64	15.78
55 LINCOLN	11	29.10	31	16.77	16.18
56 MCDOWELL	1	2.96	22	12.82	14.66
57 MACON	3	15.91	11	12.27	6.21
58 MADISON	2	11.61	11	13.14	7.23
59 MARTIN	2	7.82	16	12.79	12.47
60 MECKLENBURG	71	18.85	310	16.55	19.19
61 MITCHELL	3	21.45	11	15.85	8.86
62 MONTGOMERY	1	5.21	15	15.37	12.54
63 MOORE	9	20.64	46	21.70	17.54
64 NASH	7	10.47	37	11.46	11.43
65 NEW HANOVER	16	16.42	80	16.81	17.57
66 NORTHAMPTON	2	8.54	25	21.56	16.59
67 ONSLOW	12	10.36	35	6.82	20.57
68 ORANGE	9	13.08	35	10.32	13.88
69 PAMLICO	2	20.35	4	8.44	5.42
70 PASQUOTANK	4	13.89	22	15.71	14.41
71 PENDER	6	27.79	20	19.44	17.19
72 PERQUIMANS	6	68.70	13	30.79	16.59
73 PERSON	5	18.35	17	12.60	11.81
74 PITT	10	12.52	52	13.39	14.97
75 POLK	4	31.01	22	34.88	16.40
76 RANDOLPH	10	12.01	56	13.61	12.46
77 RICHMOND	6	14.37	31	15.11	13.97
78 ROBESON	13	13.89	63	13.68	16.08
79 ROCKINGHAM	19	25.22	75	19.61	17.84
80 ROWAN	32	34.31	106	22.91	18.85
81 RUTHERFORD	16	31.33	59	23.46	17.09
82 SAMPSON	6	12.27	28	11.72	10.47
83 SCOTLAND	4	13.46	14	9.55	9.90
84 STANLY	11	24.47	44	19.65	17.29
85 STOKES	2	6.85	18	12.80	10.06
86 SURRY	9	16.19	49	17.89	16.32
87 SWAIN	2	19.31	7	14.30	10.44
88 TRANSYLVANIA	8	36.41	17	16.13	16.09
89 TYRRELL	2	52.75	5	26.10	20.21
90 UNION	8	12.59	41	13.23	13.68
91 VANCE	2	5.73	32	19.04	17.46
92 WAKE	34	12.37	171	12.98	16.29
93 WARREN	7	41.16	26	31.21	17.36
94 WASHINGTON	2	13.35	13	18.19	20.67
95 WATAUGA	2	6.96	15	10.63	10.22
96 WAYNE	21	23.06	67	14.91	18.51
97 WILKES	9	16.36	23	8.52	7.74
98 WILSON	9	14.67	49	16.37	15.56
99 YADKIN	3	11.11	18	13.49	9.06
100 YANCEY	7	48.57	15	21.56	12.61

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

CANCER OF THE COLON AND RECTUM

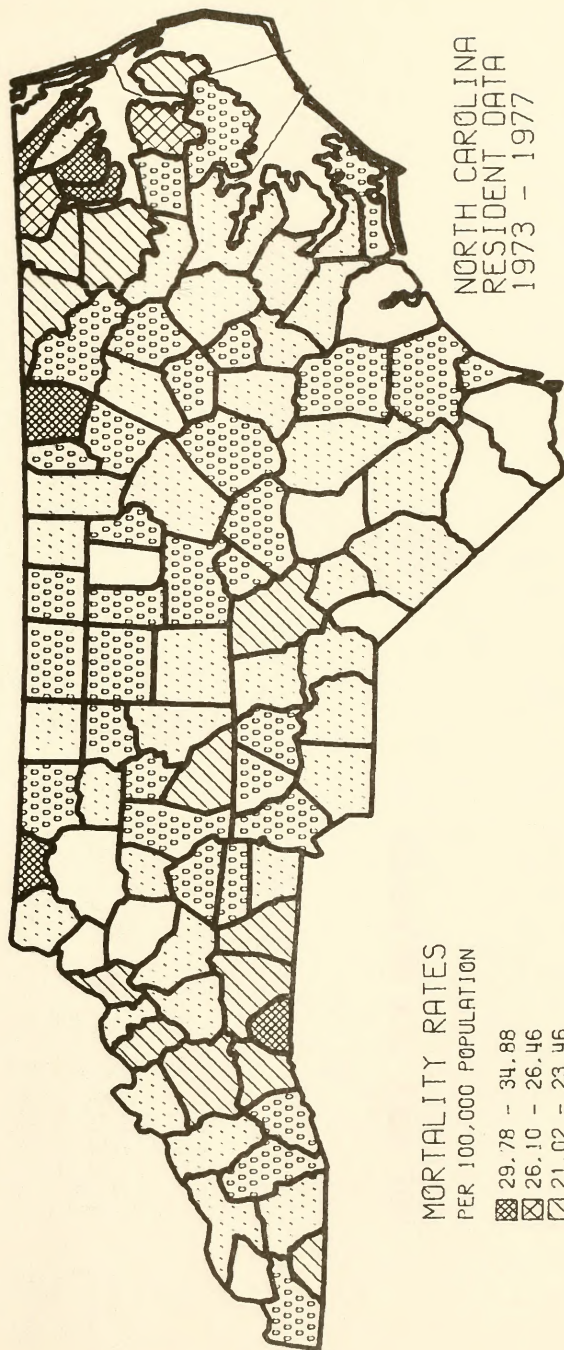


FIGURE 11.A

MORTALITY RATES
PER 100,000 POPULATION

- 29.78 - 34.88
- 26.10 - 26.46
- 21.02 - 23.46
- 16.13 - 19.94
- 11.46 - 15.85
- 6.82 - 10.63

CANCER OF THE COLON AND RECTUM

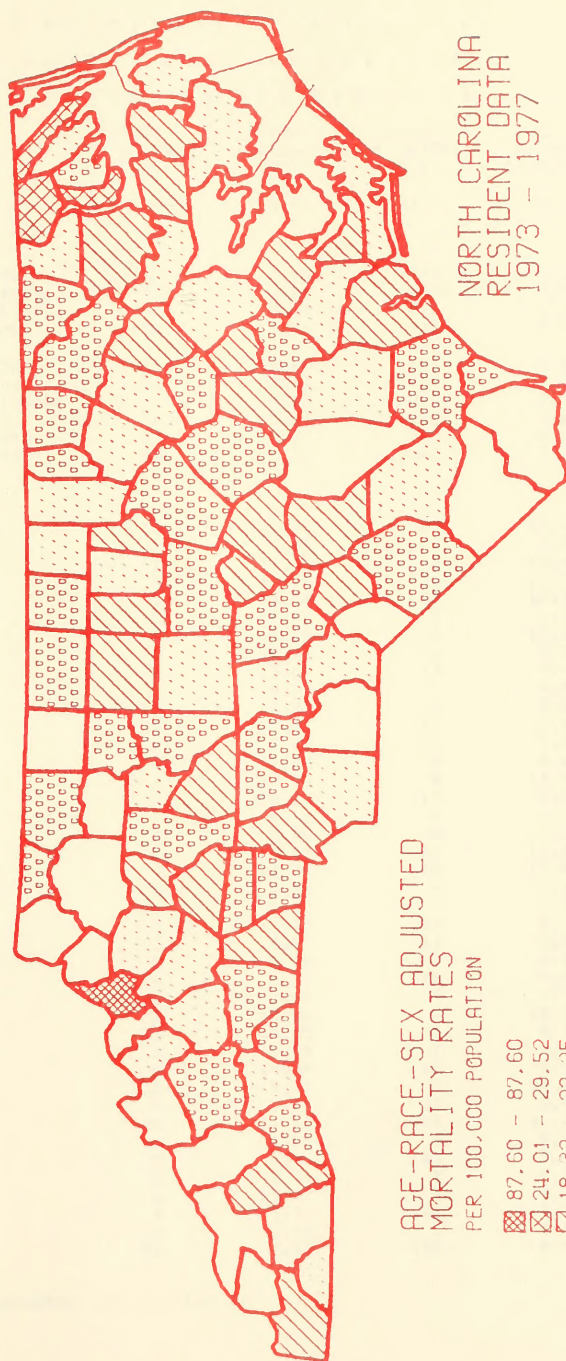


FIGURE 11.B

TABLE 12

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

CANCER OF THE PANCREAS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	468	8.47	2171	8.00	8.00
REGIONS					
DHR I WESTERN	168	8.95	772	8.31	8.18
DHR II N. CENTRAL	110	9.28	550	9.37	9.06
DHR III S. CENTRAL	90	7.18	421	6.88	7.92
DHR IV EASTERN	100	8.26	428	7.29	7.60
HSA I WESTERN	97	10.24	406	8.69	8.09
HSA II PIEDMONT	101	9.66	486	9.38	9.33
HSA III S. PIEDMONT	71	7.63	366	7.93	8.33
HSA IV CAPITAL	56	7.39	281	7.60	8.08
HSA V CARDINAL	57	6.80	265	6.45	7.22
HSA VI EASTERN	86	8.53	367	7.53	7.91
COUNTIES					
1 ALAMANCE	10	10.10	61	12.29	11.62
2 ALEXANDER	2	9.00	8	7.32	6.36
3 ALLEGHANY	1	11.34	9	20.61	10.94
4 ANSON	4	16.75	16	13.37	8.24
5 ASHE	4	19.68	13	12.95	7.45
6 AVERY	0	0.00	1	1.43	1.17
7 BEAUFORT	3	7.59	21	11.04	7.34
8 BERTIE	2	9.38	10	9.59	7.41
9 BLADEN	4	13.61	13	9.11	8.86
10 BRUNSWICK	5	15.16	7	4.32	4.44
11 BUNCOMBE	20	13.23	72	9.57	7.74
12 BURKE	7	10.97	17	5.27	6.00
13 CABARRUS	4	5.05	30	7.66	7.28
14 CALDWELL	4	6.61	20	6.65	8.16
15 CAMDEN	1	17.50	4	13.95	13.17
16 CARTERET	5	13.48	17	9.55	8.45
17 CASWELL	1	5.18	8	8.17	7.53
18 CATAWBA	3	2.99	28	5.67	6.89
19 CHATHAM	4	13.09	17	11.28	10.25
20 CHEROKEE	4	22.79	15	17.53	10.69
21 CHOWAN	1	8.57	4	7.12	6.45
22 CLAY	0	0.00	2	7.28	50.48
23 CLEVELAND	6	7.70	34	8.77	9.02
24 COLUMBUS	2	3.91	12	4.76	4.90
25 CRAVEN	4	5.82	17	5.02	6.23
26 CUMBERLAND	14	6.05	48	4.22	8.97
27 CURRITUCK	0	0.00	2	4.10	3.83
28 DARE	2	19.50	6	13.08	13.30
29 DAVIDSON	11	10.75	34	6.74	6.95
30 DAVIE	1	4.49	7	6.65	7.10
31 DUPLIN	6	14.89	15	7.56	7.67
32 DURHAM	13	9.05	72	10.21	10.52
33 EDGECOMBE	4	7.31	23	8.54	10.13
34 FORSYTH	26	11.40	125	11.07	11.57
35 FRANKLIN	0	0.00	8	5.70	4.10
36 GASTON	7	4.46	63	8.08	7.87
37 GATES	1	12.04	2	4.81	2.88
38 GRAHAM	1	14.67	3	9.15	5.59
39 GRANVILLE	3	9.15	14	8.51	7.46
40 GREENE	0	0.00	1	1.33	1.55
41 GUILFORD	24	7.88	131	8.71	9.11

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
CANCER OF THE PANCREAS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	4	7.15	20	7.27	7.15
43 HARNETT	5	9.04	21	7.81	7.86
44 HAYWOOD	6	13.68	24	11.03	9.57
45 HENDERSON	5	9.80	22	9.06	7.21
46 HERTFORD	0	0.00	6	5.04	3.25
47 HOKE	0	0.00	4	4.56	4.83
48 HYDE	0	0.00	1	3.60	2.47
49 IREDELL	6	7.64	32	8.25	7.92
50 JACKSON	4	16.03	11	8.99	9.89
51 JOHNSTON	8	12.19	24	7.40	6.73
52 JONES	2	21.10	5	10.44	7.57
53 LEE	1	2.90	11	6.59	6.40
54 LENOIR	7	11.74	23	7.82	9.79
55 LINCOLN	2	5.29	12	6.49	7.57
56 MCDOWELL	4	11.84	13	7.58	5.74
57 MACON	2	10.60	9	10.04	11.59
58 MADISON	3	17.42	6	7.17	3.92
59 MARTIN	3	11.73	6	4.79	4.18
60 MECKLENBURG	33	8.76	137	7.31	8.73
61 MITCHELL	1	7.15	6	8.64	4.54
62 MONTGOMERY	1	5.21	8	8.19	7.05
63 MOORE	4	9.17	28	13.20	11.08
64 NASH	5	7.48	27	8.36	7.95
65 NEW HANOVER	4	4.10	36	7.56	7.65
66 NORTHAMPTON	4	17.08	10	8.62	7.51
67 ONSLOW	1	0.86	13	2.53	7.25
68 ORANGE	2	2.90	20	5.90	8.05
69 PAMLICO	0	0.00	1	2.11	1.12
70 PASQUOTANK	3	10.41	18	12.85	11.45
71 PENDER	3	13.89	6	5.83	5.44
72 PERQUIMANS	1	11.45	11	26.05	14.20
73 PERSON	4	14.68	16	11.86	11.63
74 PITT	6	7.51	32	8.24	8.86
75 POLK	1	7.75	6	9.51	6.88
76 RANDOLPH	10	12.01	34	8.26	8.39
77 RICHMOND	2	4.79	10	4.87	4.61
78 ROBESON	6	6.41	32	6.94	7.18
79 ROCKINGHAM	11	14.60	38	9.93	8.97
80 ROWAN	12	12.86	48	10.37	8.78
81 RUTHERFORD	9	17.62	34	13.52	12.45
82 SAMPSON	1	2.04	17	7.11	6.71
83 SCOTLAND	2	6.73	7	4.77	6.28
84 STANLY	4	8.89	20	8.93	7.85
85 STOKES	2	6.85	9	6.40	6.74
86 SURRY	4	7.19	27	9.86	7.18
87 SWAIN	1	9.65	6	12.26	10.36
88 TRANSYLVANIA	1	4.55	9	8.54	7.09
89 TYRRELL	0	0.00	1	5.22	1.79
90 UNION	3	4.72	24	7.74	8.55
91 VANCE	2	5.78	16	9.52	8.71
92 WAKE	19	6.91	73	5.54	6.99
93 WARREN	0	0.00	10	12.00	7.72
94 WASHINGTON	2	13.35	7	9.79	9.28
95 WATAUGA	0	0.00	8	5.67	5.55
96 WAYNE	10	10.98	31	6.90	9.34
97 WILKES	6	10.90	21	7.78	6.20
98 WILSON	9	14.67	33	11.03	11.85
99 YADKIN	1	3.70	12	8.99	6.22
100 YANCEY	2	13.87	9	12.93	7.57

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

CANCER OF THE PANCREAS

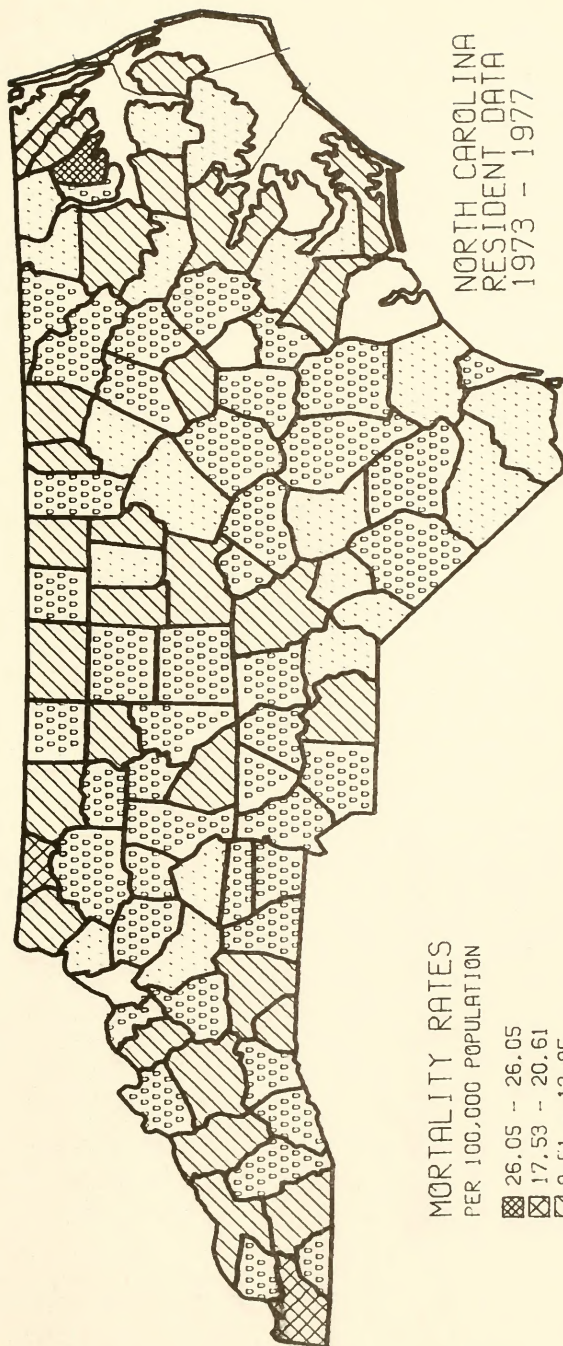


FIGURE 12.A

MORTALITY RATES
PER 100,000 POPULATION

- 26.05 - 26.05
- 17.53 - 20.61
- 9.51 - 13.95
- 6.40 - 9.15
- 3.60 - 5.90
- 1.33 - 2.53

CANCER OF THE PANCREAS

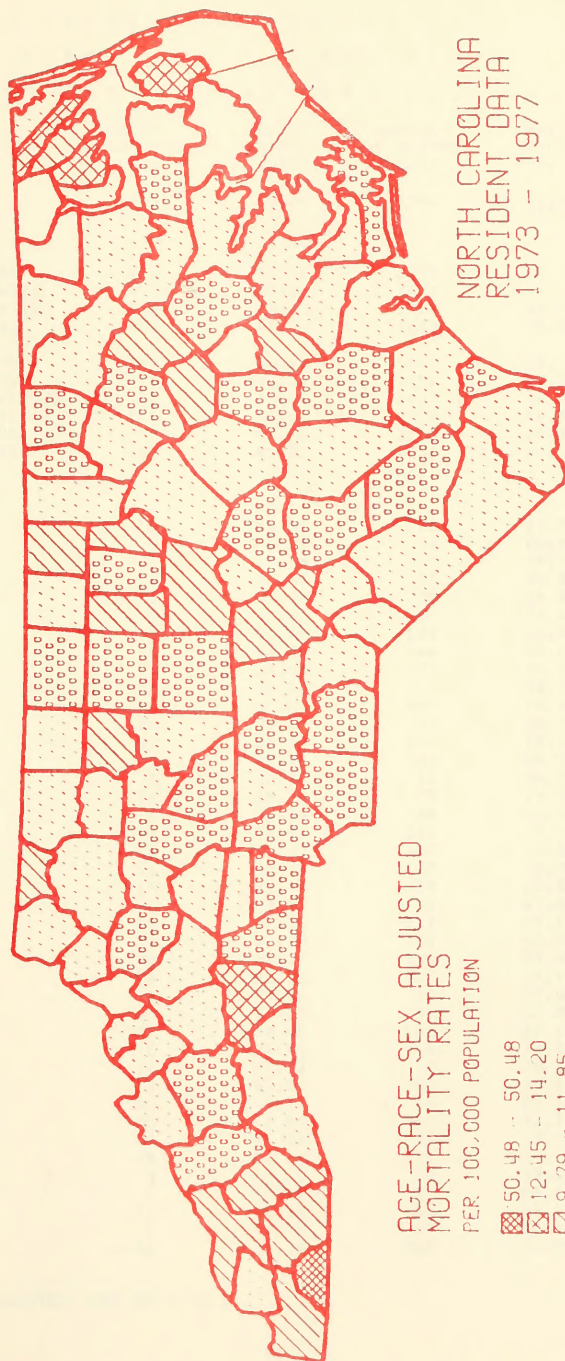


FIGURE 12.B

TABLE 13

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

CANCER OF THE TRACHEA, BRONCHUS AND LUNG

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	2006	36.30	8756	32.27	32.27
REGIONS					
DHR I WESTERN	676	36.01	3009	32.42	30.79
DHR II N. CENTRAL	441	37.20	1881	32.06	30.74
DHR III S. CENTRAL	386	30.81	1757	28.72	33.41
DHR IV EASTERN	503	41.56	2109	35.97	37.79
HSA I WESTERN	342	36.13	1512	32.37	29.16
HSA II PIEDMONT	373	35.67	1590	30.71	29.87
HSA III S. PIEDMONT	334	35.89	1497	32.46	32.82
HSA IV CAPITAL	270	35.64	1209	32.73	34.99
HSA V CARDINAL	272	32.45	1215	29.57	34.06
HSA VI EASTERN	415	41.20	1733	35.58	37.87
COUNTIES					
1 ALAMANCE	46	46.48	166	33.44	30.71
2 ALEXANDER	8	36.00	31	28.40	35.86
3 ALLEGHANY	1	11.34	17	38.94	34.94
4 ANSON	8	33.50	37	30.92	25.28
5 ASHE	11	54.14	25	24.91	15.03
6 AVERY	4	28.82	19	27.29	19.81
7 BEAUFORT	32	81.04	107	56.25	45.29
8 BERTIE	9	42.25	48	46.03	40.89
9 BLADEN	7	23.83	35	24.54	24.70
10 BRUNSWICK	13	39.41	53	32.74	31.49
11 BUNCOMBE	66	43.66	294	39.08	32.37
12 BURKE	18	28.21	83	25.73	26.88
13 CABARRUS	29	36.67	137	35.01	31.23
14 CALDWELL	18	29.78	92	30.59	33.31
15 CAMDEN	3	52.52	10	34.87	28.54
16 CARTERET	24	64.71	79	44.39	36.60
17 CASWELL	6	31.08	25	25.53	22.76
18 CATAWBA	31	30.98	137	27.76	28.52
19 CHATHAM	7	22.92	43	28.53	24.99
20 CHEROKEE	11	62.67	39	45.59	38.95
21 CHOWAN	13	111.43	34	60.57	48.81
22 CLAY	6	107.12	13	47.32	28.00
23 CLEVELAND	29	37.26	117	30.19	30.63
24 COLUMBUS	23	45.00	102	40.47	37.63
25 CRAVEN	20	29.11	100	29.55	40.09
26 CUMBERLAND	49	21.18	217	19.09	37.37
27 CURRITUCK	8	79.62	28	57.40	46.04
28 DARE	4	39.00	31	67.59	51.24
29 DAVIDSON	29	28.35	132	26.18	25.50
30 DAVIE	6	26.95	36	34.24	26.56
31 DUPLIN	21	52.12	73	36.80	34.16
32 DURHAM	62	43.19	280	39.72	40.57
33 EDGEcombe	19	34.76	95	35.31	34.89
34 FORSYTH	65	28.51	340	30.13	31.28
35 FRANKLIN	10	35.38	53	37.78	35.35
36 GASTON	49	31.22	271	34.79	35.21
37 GATES	3	36.14	14	33.67	27.58
38 GRAHAM	5	73.38	13	39.65	27.59
39 GRANVILLE	11	33.57	63	38.31	35.40
40 GREENE	2	13.45	24	32.05	35.98
41 GUILFORD	126	41.39	480	31.93	32.92

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
CANCER OF THE TRACHEA, BRONCHUS AND LUNG CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	29	51.88	100	36.35	34.16
43 HARNETT	17	30.73	100	37.22	37.09
44 HAYWOOD	18	41.06	75	34.48	24.84
45 HENDERSON	20	39.22	105	43.27	31.73
46 HERTFORD	11	45.37	46	38.68	38.13
47 HOKE	6	32.36	23	26.22	28.21
48 HYDE	0	0.00	8	28.84	23.07
49 IREDELL	23	29.30	124	32.00	29.03
50 JACKSON	6	24.05	31	25.35	21.54
51 JOHNSTON	32	48.78	109	33.63	30.86
52 JONES	4	42.21	26	54.29	49.09
53 LEE	8	23.26	58	34.75	34.36
54 LENOIR	21	35.24	98	33.33	32.71
55 LINCOLN	14	37.04	72	38.95	37.03
56 MCDOWELL	11	32.57	52	30.32	31.63
57 MACON	9	47.74	43	47.97	32.54
58 MADISON	4	23.23	19	22.70	12.77
59 MARTIN	14	54.74	54	43.19	43.40
60 MECKLENBURG	145	38.51	590	31.51	37.14
61 MITCHELL	6	42.91	34	49.00	27.89
62 MONTGOMERY	4	20.84	31	31.77	27.70
63 MOORE	15	34.40	85	40.10	33.20
64 NASH	25	37.40	102	31.59	30.71
65 NEW HANOVER	37	37.98	174	36.57	37.99
66 NORTHAMPTON	12	51.24	48	41.40	29.75
67 ONSLOW	22	19.00	72	14.05	34.61
68 ORANGE	17	24.71	65	19.18	27.89
69 PAMLICO	7	71.25	25	52.77	43.14
70 PASQUOTANK	14	48.62	70	50.00	43.92
71 PENDER	15	69.48	47	45.69	40.34
72 PERQUIMANS	8	91.60	22	52.11	38.46
73 PERSON	12	44.04	47	34.85	32.56
74 PITT	27	33.81	139	35.79	42.68
75 POLK	9	69.79	29	45.98	28.44
76 RANDOLPH	28	33.64	110	26.74	24.49
77 RICHMOND	22	52.69	76	37.06	34.31
78 ROBESON	26	27.79	122	26.49	35.73
79 ROCKINGHAM	30	39.82	135	35.30	30.92
80 ROWAN	34	36.45	161	34.80	28.28
81 RUTHERFORD	15	29.37	79	31.42	27.69
82 SAMPSON	25	51.14	83	34.75	29.77
83 SCOTLAND	5	16.82	30	20.47	25.76
84 STANLY	26	57.84	77	34.40	30.83
85 STOKES	8	27.41	46	32.72	32.50
86 SURRY	20	35.98	85	31.04	28.74
87 SWAIN	4	38.63	16	32.70	25.93
88 TRANSYLVANIA	6	27.31	34	32.27	25.99
89 TYRRELL	0	0.00	6	31.32	20.31
90 UNION	14	22.03	65	20.98	21.71
91 VANCE	19	54.97	76	45.22	43.27
92 WAKE	76	27.65	363	27.56	34.63
93 WARREN	16	94.09	52	62.42	47.68
94 WASHINGTON	7	46.73	32	44.78	47.30
95 WATAUGA	4	13.93	29	20.56	28.47
96 WAYNE	28	30.75	133	29.60	37.19
97 WILKES	18	32.72	66	24.47	24.27
98 WILSON	28	45.66	109	36.43	35.78
99 YADKIN	9	33.33	35	26.24	17.65
100 YANCEY	4	27.75	20	28.75	18.04

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

CANCER: TRACHEA, BRONCHUS AND LUNG

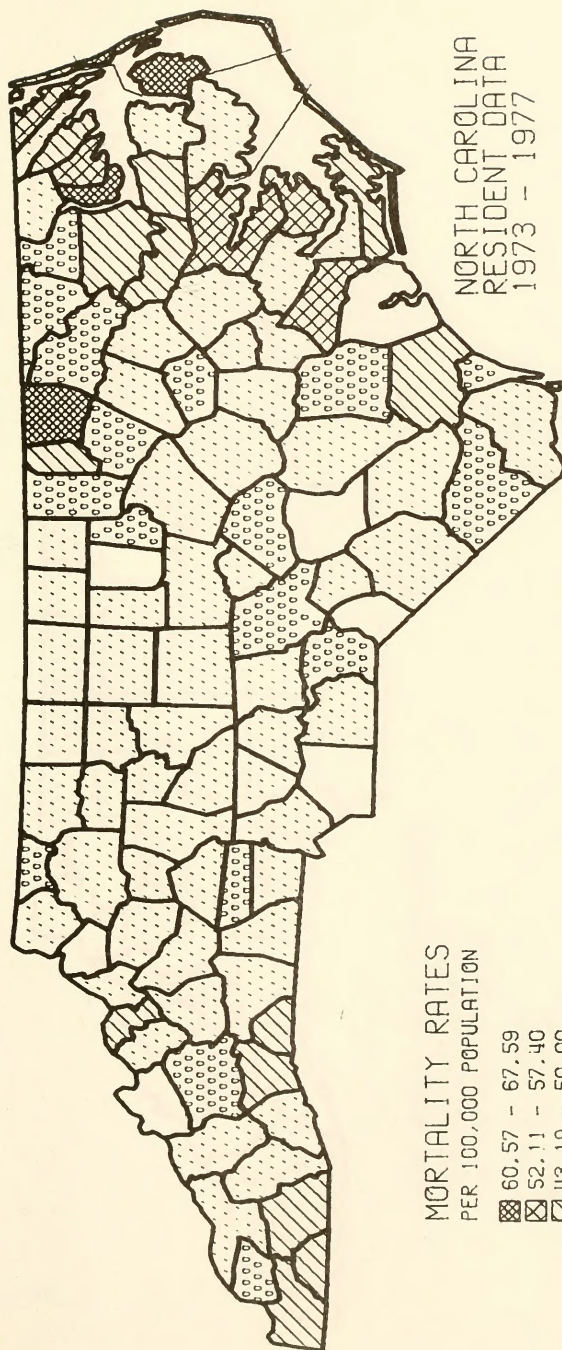


FIGURE 13.A

MORTALITY RATES
PER 100,000 POPULATION

- ▨ 60.57 - 67.59
- ▧ 52.11 - 57.40
- ▩ 43.19 - 50.00
- ░ 36.35 - 41.40
- ▦ 24.47 - 35.79
- 14.05 - 22.70

CANCER: TRACHEA, BRONCHUS AND LUNG

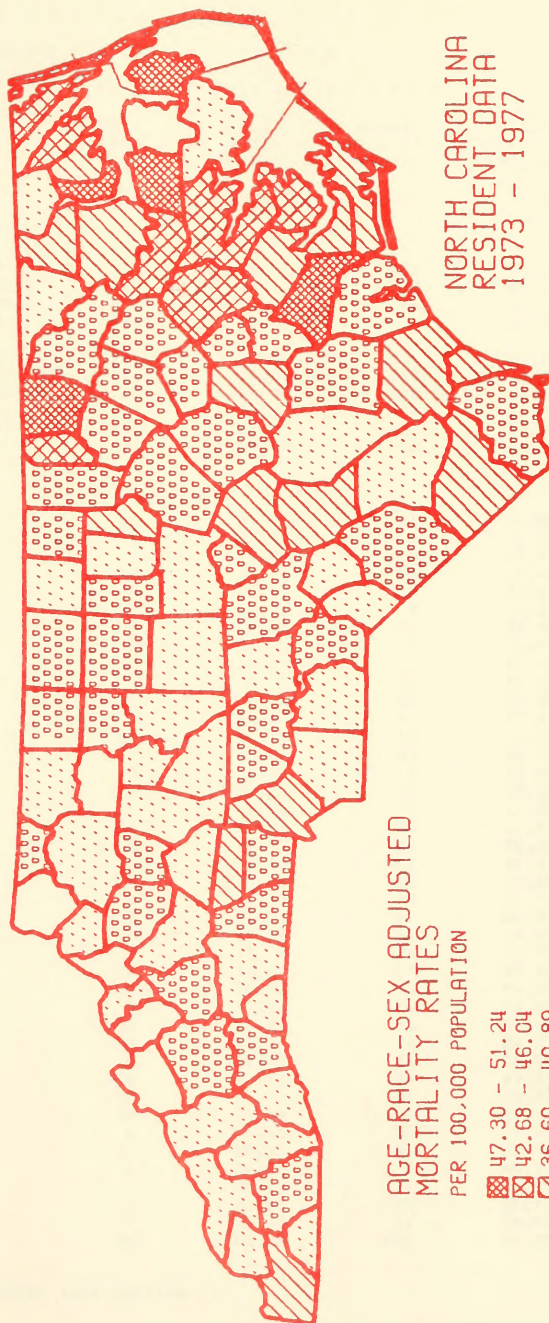


FIGURE 13.B

TABLE 14

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

FEMALE BREAST CANCER

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	733	25.80	3369	24.18	24.16
REGIONS					
OHR I WESTERN	263	26.94	1171	24.28	23.38
OHR II N. CENTRAL	155	24.91	777	25.29	24.67
OHR III S. CENTRAL	171	27.11	739	24.04	26.82
OHR IV EASTERN	144	23.51	682	22.98	23.52
HSA I WESTERN	143	29.14	613	25.34	23.29
HSA II PIEDMONT	136	24.75	688	25.35	25.16
HSA III S. PIEDMONT	120	24.73	558	23.22	23.35
HSA IV CAPITAL	121	30.96	494	25.97	27.26
HSA V CARDINAL	84	20.11	424	20.75	22.90
HSA VI EASTERN	129	25.43	592	24.13	24.74
COUNTIES					
1 ALAMANCE	16	30.89	87	33.61	30.60
2 ALEXANDER	4	35.28	12	21.57	23.44
3 ALLEGHANY	0	0.00	8	34.90	24.00
4 ANSON	4	31.72	11	17.48	15.33
5 ASHE	4	38.34	16	31.13	57.45
6 AVERY	1	14.45	5	14.38	10.41
7 BEAUFORT	4	19.13	22	21.92	18.91
8 BERTIE	3	26.31	11	19.87	17.35
9 BLADEN	3	19.82	14	19.08	18.98
10 BRUNSWICK	1	6.00	12	14.63	15.29
11 BUNCOMBE	25	31.31	128	32.25	25.35
12 BURKE	13	39.61	45	27.09	24.21
13 CABARRUS	10	24.17	43	21.02	19.46
14 CALDWELL	9	28.82	34	21.93	22.09
15 CAMDEN	0	0.00	3	19.88	21.63
16 CARTERET	4	21.24	23	25.44	28.82
17 CASWELL	3	30.51	8	16.05	16.45
18 CATAWBA	12	23.13	55	21.51	25.26
19 CHATHAM	5	32.07	28	36.45	34.46
20 CHEROKEE	1	10.89	12	26.92	18.65
21 CHOWAN	0	0.00	11	38.12	33.78
22 CLAY	1	33.57	4	27.70	17.59
23 CLEVELAND	9	22.40	41	20.50	21.28
24 COLUMBUS	4	15.05	21	16.05	16.95
25 CRAVEN	6	18.16	32	19.64	25.24
26 CUMBERLAND	16	15.61	77	15.33	25.66
27 CURRITUCK	4	78.32	11	44.39	43.20
28 DARE	2	37.68	6	25.28	15.48
29 DAVIDSON	12	22.95	51	19.81	23.20
30 DAVIE	5	43.24	12	22.07	20.11
31 DUPLIN	6	28.47	26	25.15	24.79
32 OURHAM	26	34.15	104	27.85	28.48
33 EDGEcombe	10	34.53	36	25.35	23.29
34 FORSYTH	39	32.14	140	23.38	23.75
35 FRANKLIN	4	26.90	21	28.59	26.25
36 GASTON	16	19.59	85	20.98	20.26
37 GATES	1	24.07	9	43.13	27.18
38 GRAHAM	1	29.18	4	24.28	18.64
39 GRANVILLE	2	12.05	19	22.77	21.60
40 GREENE	2	25.95	11	28.42	33.89
41 GUILFORD	32	19.73	231	28.92	29.68

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
FEMALE BREAST CANCER CONT'D.

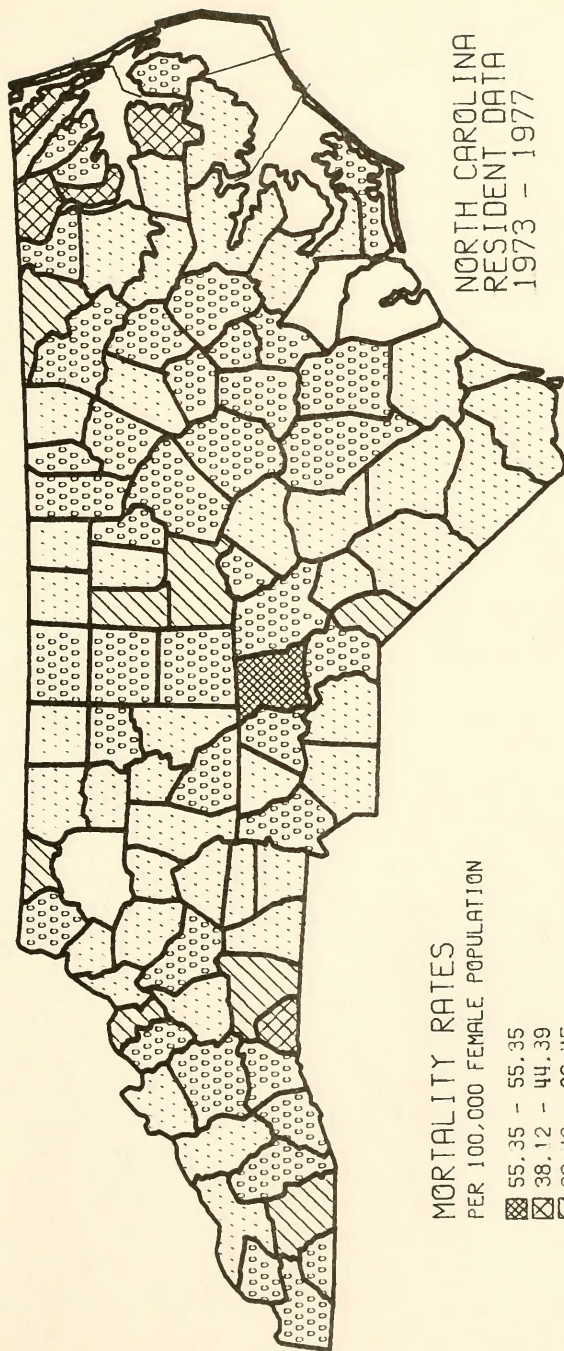
COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE* 1973-77
42 HALIFAX	8	27.22	40	27.74	24.40
43 HARNETT	4	14.21	27	19.76	19.60
44 HAYWOOD	6	26.46	23	20.46	14.49
45 HENDERSON	8	29.95	37	29.11	20.97
46 HERTFORD	5	39.07	19	30.38	33.91
47 HOKE	1	10.91	7	16.05	23.83
48 HYOE	1	33.47	3	20.88	20.74
49 IREDELL	11	26.84	45	22.27	22.03
50 JACKSON	7	55.42	18	29.10	26.78
51 JOHNSTON	10	29.04	41	24.20	22.05
52 JONES	0	0.00	3	12.15	15.71
53 LEE	5	27.66	21	24.04	24.04
54 LENOIR	9	28.41	42	26.92	27.26
55 LINCOLN	6	30.85	21	22.10	21.41
56 MCOOWELL	2	11.38	19	21.35	18.96
57 MACON	4	40.86	16	34.50	33.55
58 MAISON	2	22.30	9	20.78	12.87
59 MARTIN	2	14.82	12	18.28	19.07
60 MECKLENBURG	40	20.23	234	23.82	26.70
61 MITCHELL	3	41.38	12	33.42	20.74
62 MONTGOMERY	7	70.25	28	55.35	46.03
63 MOORE	10	43.50	36	32.29	27.87
64 NASH	8	22.69	36	21.21	21.16
65 NEW HANOVER	9	17.64	48	19.28	19.52
66 NORTHAMPTON	5	42.17	21	35.71	28.43
67 ONSLOW	4	8.97	15	7.65	13.78
68 ORANGE	6	17.71	33	19.91	24.07
69 PAMLICO	1	19.47	3	12.12	10.36
70 PASQUOTANK	1	6.69	22	30.32	27.30
71 PENDER	1	9.15	9	17.23	17.89
72 PERQUIMANS	3	65.86	7	31.89	25.87
73 PERSON	2	14.13	13	18.63	17.75
74 PITT	17	40.46	51	24.99	29.21
75 POLK	5	71.42	15	44.08	33.41
76 RANDOLPH	9	21.05	54	25.61	25.38
77 RICHMOND	4	18.26	25	23.30	21.43
78 ROBESON	10	20.50	51	21.27	23.94
79 ROCKINGHAM	11	27.70	55	27.38	25.07
80 ROWAN	15	30.87	64	26.62	23.75
81 RUTHERFORD	11	41.11	46	35.01	30.57
82 SAMPSON	6	23.39	32	25.66	23.43
83 SCOTLAND	4	25.55	26	33.77	41.88
84 STANLY	10	42.81	35	30.17	26.83
85 STOKES	1	6.71	12	16.73	18.84
86 SURRY	5	17.25	23	16.15	14.52
87 SWAIN	0	0.00	4	16.48	18.48
88 TRANSYLVANIA	5	45.10	12	22.58	19.03
89 TYRRELL	2	99.55	4	39.74	36.49
90 UNION	12	37.26	31	19.73	20.18
91 VANCE	8	43.95	28	31.66	25.76
92 WAKE	50	35.71	178	26.52	31.09
93 WARREN	3	33.69	8	18.39	23.14
94 WASHINGTON	3	39.50	6	16.59	17.20
95 WATAUGA	4	26.87	14	19.14	19.43
96 WAYNE	11	23.65	59	25.78	28.78
97 WILKES	4	14.20	15	10.88	9.02
98 WILSON	7	21.79	48	30.69	31.48
99 YADKIN	3	21.25	15	21.63	22.89
100 YANCEY	2	27.31	9	25.39	17.58

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

FEMALE BREAST CANCER



MORTALITY RATES
PER 100,000 FEMALE POPULATION

▨	55.35 - 55.35
▧	38.12 - 44.39
▩	33.42 - 36.45
▦	22.58 - 32.29
▤	14.38 - 22.27
□	7.65 - 12.15

FIGURE 14.A

FEMALE BREAST CANCER

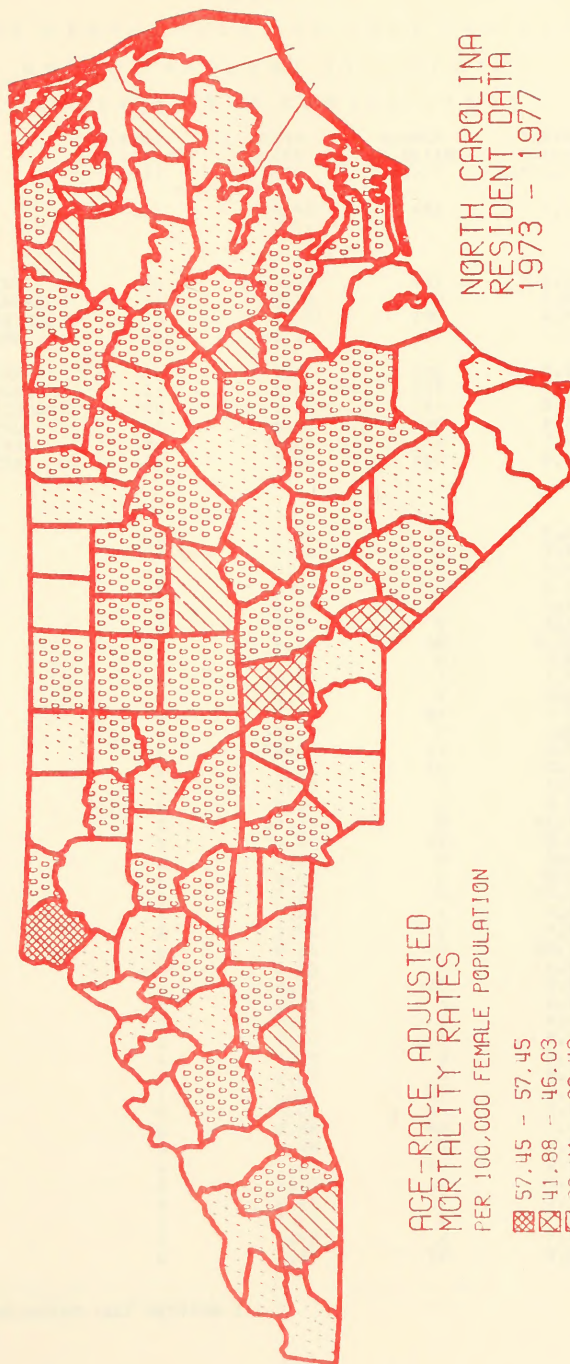


FIGURE 14.B

TABLE 15

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

CANCER OF THE CERVIX UTERI

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	154	5.42	883	6.33	6.33
REGIONS					
DHR I WESTERN	48	4.91	251	5.20	5.81
DHR II N. CENTRAL	36	5.78	183	5.95	6.03
DHR III S. CENTRAL	28	4.44	198	6.44	6.43
DHR IV EASTERN	42	6.85	251	8.46	7.19
HSA I WESTERN	23	4.68	128	5.29	5.80
HSA II PIEDMONT	32	5.82	157	5.78	6.23
HSA III S. PIEDMONT	25	5.15	123	5.12	5.56
HSA IV CAPITAL	11	2.81	102	5.36	4.99
HSA V CARDINAL	26	6.22	163	7.97	7.91
HSA VI EASTERN	37	7.29	210	8.56	7.17
COUNTIES					
1 ALAMANCE	2	3.86	12	4.63	5.68
2 ALEXANDER	0	0.00	2	3.59	3.30
3 ALLEGHANY	0	0.00	1	4.36	3.01
4 ANSON	1	7.93	6	9.53	7.07
5 ASHE	0	0.00	1	1.94	1.41
6 AVERY	0	0.00	1	2.87	2.26
7 BEAUFORT	1	4.78	12	11.95	8.84
8 BERTIE	1	8.77	2	3.61	3.82
9 BLADEN	3	19.82	7	9.54	8.67
10 BRUNSWICK	0	0.00	5	6.09	5.80
11 BUNCOMBE	3	3.75	19	4.78	3.96
12 BURKE	4	12.18	7	4.21	3.53
13 CABARRUS	5	12.08	13	6.35	6.00
14 CALDWELL	2	6.40	13	8.38	11.23
15 CAMDEN	0	0.00	1	6.62	4.37
16 CARTERET	0	0.00	6	6.63	8.01
17 CASWELL	2	20.34	5	10.03	5.09
18 CATAWBA	1	1.92	15	5.86	8.26
19 CHATHAM	0	0.00	4	5.20	5.16
20 CHEROKEE	0	0.00	1	2.24	1.79
21 CHOWAN	0	0.00	4	13.86	6.75
22 CLAY	0	0.00	0	0.00	0.00
23 CLEVELAND	3	7.46	9	4.50	5.26
24 COLUMBUS	0	0.00	14	10.70	8.80
25 CRAVEN	2	6.05	8	4.91	5.12
26 CUMBERLAND	4	3.90	31	6.17	8.24
27 CURRITUCK	0	0.00	1	4.03	4.33
28 DARE	0	0.00	1	4.21	2.69
29 DAVIDSON	2	3.82	13	5.05	5.55
30 DAVIE	0	0.00	5	9.19	7.63
31 DUPLIN	0	0.00	9	8.70	7.42
32 DURHAM	1	1.31	23	6.16	5.00
33 EDGECOMBE	4	13.81	14	9.85	8.69
34 FORSYTH	12	9.88	42	7.01	6.80
35 FRANKLIN	0	0.00	0	0.00	0.00
36 GASTON	6	7.34	26	6.41	6.92
37 GATES	0	0.00	1	4.79	4.36
38 GRAHAM	0	0.00	0	0.00	0.00
39 GRANVILLE	2	12.05	6	7.19	5.46
40 GREENE	0	0.00	2	5.16	4.32
41 GUILFORD	6	3.69	37	4.63	4.86

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
CANCER OF THE CERVIX UTERI CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE* 1973-77
42 HALIFAX	9	30.62	16	11.09	7.97
43 HARNETT	0	0.00	10	7.31	7.60
44 HAYWOOD	2	8.82	10	8.89	12.00
45 HENDERSON	0	0.00	6	4.72	7.17
46 HERTFORD	2	15.62	8	12.79	6.85
47 HOKE	1	10.91	4	9.17	8.44
48 HYDE	0	0.00	1	6.96	3.30
49 IREDELL	1	2.44	7	3.46	3.51
50 JACKSON	1	7.91	5	8.08	10.28
51 JOHNSTON	4	11.61	13	7.67	7.71
52 JONES	0	0.00	3	12.15	10.25
53 LEE	1	5.53	5	5.72	5.50
54 LENOIR	2	6.31	21	13.46	10.64
55 LINCOLN	0	0.00	4	4.21	7.34
56 MCDOWELL	1	5.69	5	5.61	4.38
57 MACON	1	10.21	1	2.15	1.18
58 MADISON	1	11.15	3	6.92	4.35
59 MARTIN	2	14.82	7	10.66	8.72
60 MECKLENBURG	10	5.05	52	5.29	5.64
61 MITCHELL	1	13.79	2	5.57	3.90
62 MONTGOMERY	1	10.03	2	3.95	3.86
63 MOORE	1	4.35	8	7.17	6.34
64 NASH	2	5.67	11	6.48	5.02
65 NEW HANOVER	5	9.80	18	7.23	7.00
66 NORTHAMPTON	0	0.00	3	5.10	3.63
67 ONSLOW	2	4.48	12	6.12	10.81
68 ORANGE	0	0.00	5	3.01	3.29
69 PAMLICO	1	19.47	5	20.20	12.54
70 PASQUOTANK	0	0.00	4	5.51	3.59
71 PENDER	0	0.00	4	7.65	6.09
72 PERQUIMANS	0	0.00	2	9.11	7.26
73 PERSON	0	0.00	6	8.60	8.68
74 PITT	3	7.14	16	7.84	6.39
75 POLK	0	0.00	1	2.93	3.50
76 RANDOLPH	2	4.67	7	3.32	2.83
77 RICHMOND	7	31.95	15	13.98	13.34
78 ROBESON	3	6.15	25	10.42	10.75
79 ROCKINGHAM	2	5.03	19	9.45	8.81
80 ROWAN	3	6.17	10	4.15	4.18
81 RUTHERFORD	0	0.00	6	4.56	3.50
82 SAMPSON	0	0.00	6	4.81	3.83
83 SCOTLAND	0	0.00	8	10.39	10.32
84 STANLY	0	0.00	3	2.58	3.92
85 STOKES	0	0.00	1	1.39	1.20
86 SURRY	4	13.80	11	7.72	5.85
87 SWAIN	0	0.00	1	4.12	4.47
88 TRANSYLVANIA	1	9.02	3	5.64	4.67
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	0	0.00	8	5.09	6.13
91 VANCE	0	0.00	9	10.17	6.91
92 WAKE	1	0.71	26	3.87	4.17
93 WARREN	2	22.46	5	11.49	3.40
94 WASHINGTON	0	0.00	2	5.53	5.11
95 WATAUGA	1	6.71	4	5.46	5.64
96 WAYNE	2	4.30	20	8.73	8.39
97 WILKES	0	0.00	10	7.25	5.70
98 WILSON	4	12.45	18	11.50	9.70
99 YADKIN	0	0.00	5	7.21	14.13
100 YANCEY	1	13.65	2	5.64	4.01

*SEE SECTION I

*AGE-RACE=SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

CANCER OF THE CERVIX UTERI

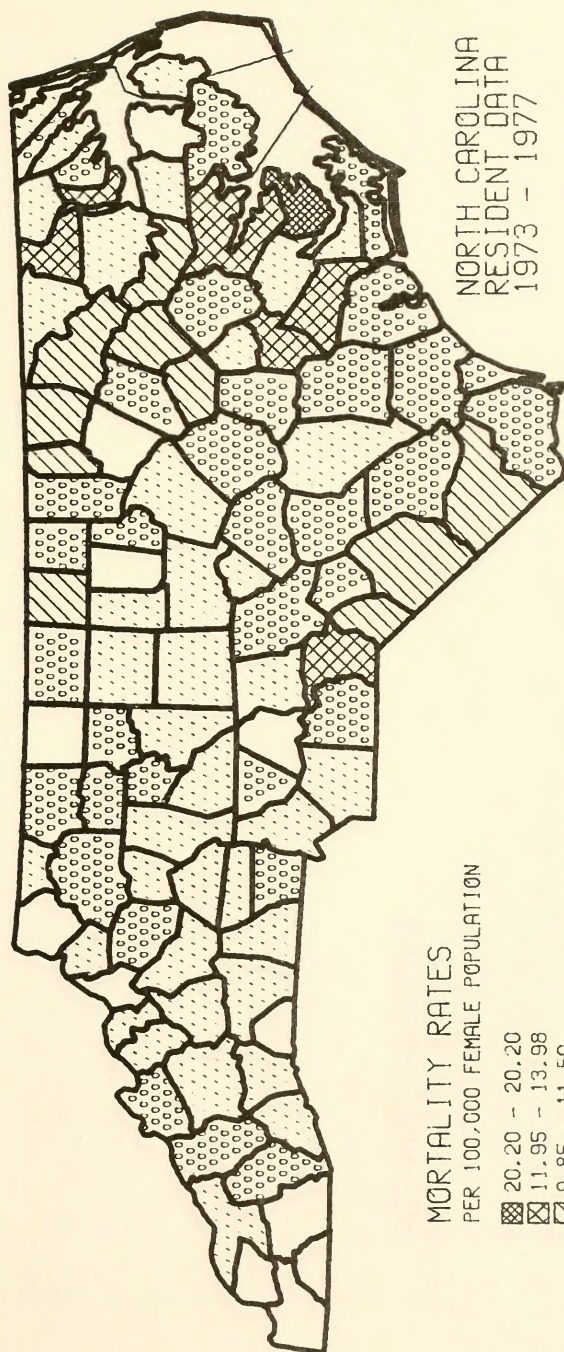


FIGURE 15.A

CANCER OF THE CERVIX UTERI

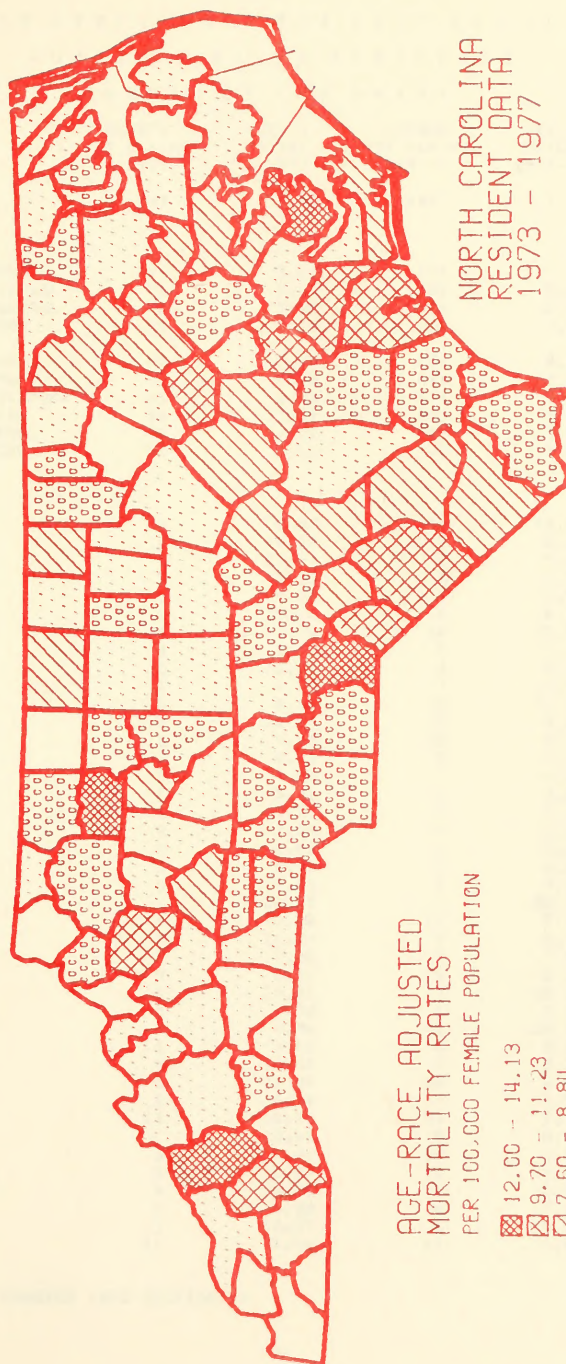


FIGURE 15. B

TABLE 16

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

CANCER OF THE OVARY

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	227	7.99	1047	7.51	7.51
REGIONS					
DHR I WESTERN	77	7.88	376	7.79	7.42
DHR II N. CENTRAL	51	8.19	265	8.62	8.29
DHR III S. CENTRAL	50	7.92	174	5.66	6.50
DHR IV EASTERN	49	8.00	232	7.81	8.16
HSA I WESTERN	46	9.37	202	8.35	7.74
HSA II PIEDMONT	48	8.73	241	8.88	8.59
HSA III S. PIEDMONT	31	6.38	174	7.24	7.21
HSA IV CAPITAL	30	7.67	116	6.09	6.58
HSA V CARDINAL	32	7.66	119	5.82	6.58
HSA VI EASTERN	40	7.88	195	7.95	8.35
COUNTIES					
1 ALAMANCE	5	9.65	28	10.81	9.71
2 ALEXANDER	2	17.64	5	8.98	12.74
3 ALLEGHANY	1	21.54	1	4.36	2.27
4 ANSON	1	7.93	1	1.58	1.20
5 ASHE	0	0.00	1	1.94	1.55
6 AVERY	1	14.45	3	8.63	6.59
7 BEAUFORT	2	9.56	16	15.94	13.30
8 BERTIE	0	0.00	4	7.22	6.59
9 BLADEN	2	13.21	6	8.18	9.71
10 BRUNSWICK	1	6.00	7	8.53	9.32
11 BUNCOMBE	4	5.00	44	11.08	8.70
12 BURKE	4	12.18	12	7.22	7.56
13 CABARRUS	3	7.25	18	8.80	7.99
14 CALDWELL	1	3.20	8	5.16	6.85
15 CAMDEN	0	0.00	1	6.62	7.34
16 CARTERET	1	5.31	8	8.85	7.39
17 CASWELL	0	0.00	1	2.00	2.67
18 CATAWBA	5	9.63	16	6.25	5.65
19 CHATHAM	1	6.41	4	5.20	5.00
20 CHEROKEE	0	0.00	1	2.24	1.37
21 CHOWAN	0	0.00	1	3.46	4.59
22 CLAY	1	33.57	3	20.77	11.62
23 CLEVELAND	4	9.95	14	7.00	7.29
24 COLUMBUS	3	11.29	7	5.35	5.55
25 CRAVEN	3	9.08	13	7.98	9.26
26 CUMBERLAND	9	8.78	26	5.17	8.83
27 CURRITUCK	1	19.58	3	12.10	10.99
28 DARE	0	0.00	1	4.21	2.69
29 DAVIDSON	5	9.56	28	10.87	10.85
30 DAVIE	1	8.64	5	9.19	7.71
31 DUPLIN	4	18.98	9	8.70	8.40
32 DURHAM	8	10.50	26	6.96	7.33
33 EDGECOMBE	2	6.90	7	4.92	4.23
34 FORSYTH	13	10.71	55	9.18	9.17
35 FRANKLIN	2	13.45	6	8.17	7.86
36 GASTON	6	7.34	28	6.91	6.81
37 GATES	0	0.00	1	4.79	5.35
38 GRAHAM	0	0.00	1	6.07	4.74
39 GRANVILLE	1	6.02	6	7.19	7.07
40 GREENE	1	12.97	5	12.92	14.57
41 GUILFORD	16	9.86	69	8.63	8.79

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
CANCER OF THE OVARY CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	2	6.80	13	9.01	7.68
43 HARNETT	3	10.66	10	7.31	7.40
44 HAYWOOD	3	13.23	13	11.56	8.27
45 HENDERSON	3	11.23	16	12.58	8.12
46 HERTFORD	2	15.62	5	7.99	7.56
47 HOKE	1	10.91	1	2.29	3.85
48 HYOE	2	66.95	4	27.84	26.03
49 IREDELL	2	4.88	14	6.92	6.50
50 JACKSON	4	31.67	11	17.78	23.65
51 JOHNSTON	3	8.71	10	5.90	5.37
52 JONES	0	0.00	1	4.05	4.72
53 LEE	1	5.53	6	6.86	6.90
54 LENOIR	4	12.62	12	7.69	8.22
55 LINCOLN	3	15.42	8	8.42	7.43
56 MCCOY	2	11.38	9	10.11	12.74
57 MACON	0	0.00	5	10.78	6.05
58 MAISON	1	11.15	5	11.54	6.84
59 MARTIN	0	0.00	4	6.09	7.44
60 MECKLENBURG	10	5.05	63	6.41	7.26
61 MITCHELL	1	13.79	4	11.14	6.06
62 MONTGOMERY	2	20.07	6	11.86	11.46
63 MOORE	0	0.00	6	5.38	4.67
64 NASH	4	11.34	15	8.83	8.67
65 NEW HANOVER	4	7.84	20	8.03	7.79
66 NORTHAMPTON	1	8.43	5	8.50	7.65
67 ONSLOW	3	6.73	10	5.10	9.37
68 ORANGE	4	11.81	11	6.63	8.99
69 PAMLICO	0	0.00	2	8.08	6.38
70 PASQUOTANK	1	6.69	7	9.64	10.08
71 PENDER	1	9.15	3	5.74	6.39
72 PERQUIMANS	0	0.00	1	4.55	5.40
73 PERSON	0	0.00	6	8.60	8.25
74 PITT	2	4.76	11	5.39	7.07
75 POLK	2	28.57	2	5.87	3.11
76 RANDOLPH	2	4.67	11	5.21	4.31
77 RICHMOND	1	4.56	5	4.66	4.31
78 ROBESON	3	6.15	13	5.42	6.86
79 ROCKINGHAM	1	2.51	22	10.95	9.99
80 ROWAN	4	8.23	21	8.73	7.43
81 RUTHERFORD	0	0.00	7	5.32	6.08
82 SAMPSON	0	0.00	6	4.81	4.09
83 SCOTLAND	1	6.38	2	2.59	3.64
84 STANLY	1	4.28	13	11.20	10.56
85 STOKES	2	13.42	4	5.57	4.85
86 SURRY	2	6.90	12	8.42	6.31
87 SWAIN	0	0.00	2	8.24	8.23
88 TRANSYLVANIA	1	9.02	3	5.64	4.60
89 TYRRELL	0	0.00	1	9.93	7.98
90 UNION	2	6.21	9	5.72	5.86
91 VANCE	0	0.00	6	6.78	5.64
92 WAKE	10	7.14	35	5.21	6.28
93 WARREN	0	0.00	0	0.00	0.00
94 WASHINGTON	0	0.00	6	16.59	18.22
95 WATAUGA	3	20.15	6	8.20	8.28
96 WAYNE	3	6.45	16	6.99	7.71
97 WILKES	3	10.65	8	5.80	4.73
98 WILSON	2	6.22	13	8.31	8.61
99 YADKIN	1	7.08	6	8.65	6.20
100 YANCEY	0	0.00	2	5.64	3.79

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

CANCER OF THE OVARY

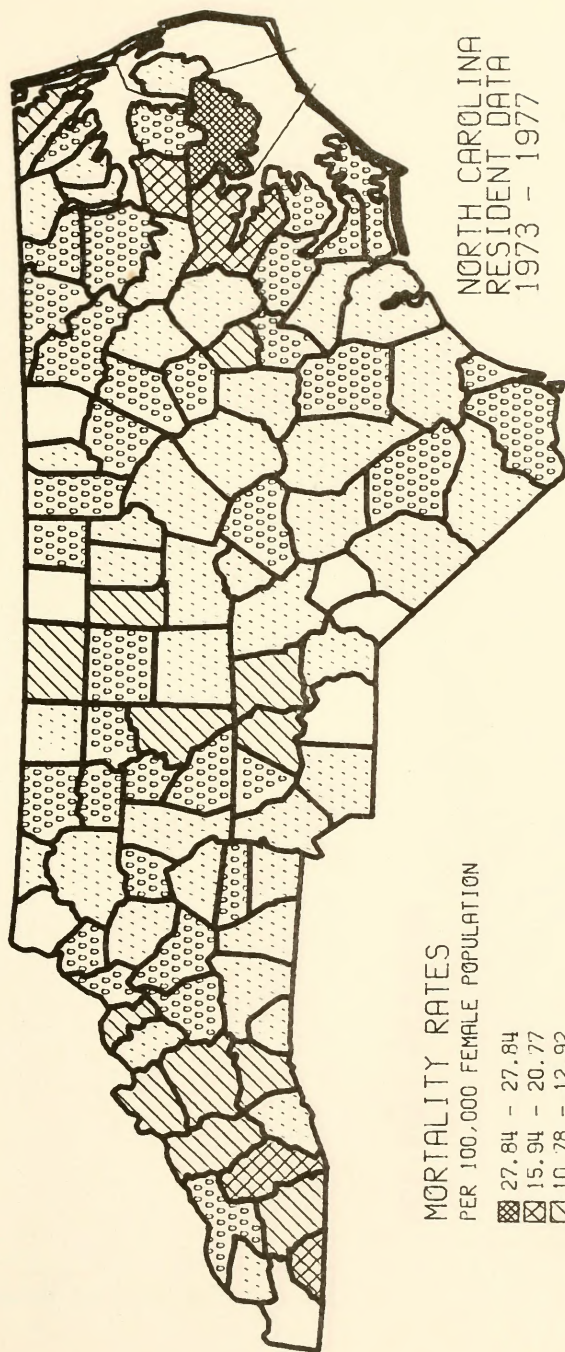


FIGURE 16.A

CANCER OF THE OVARY

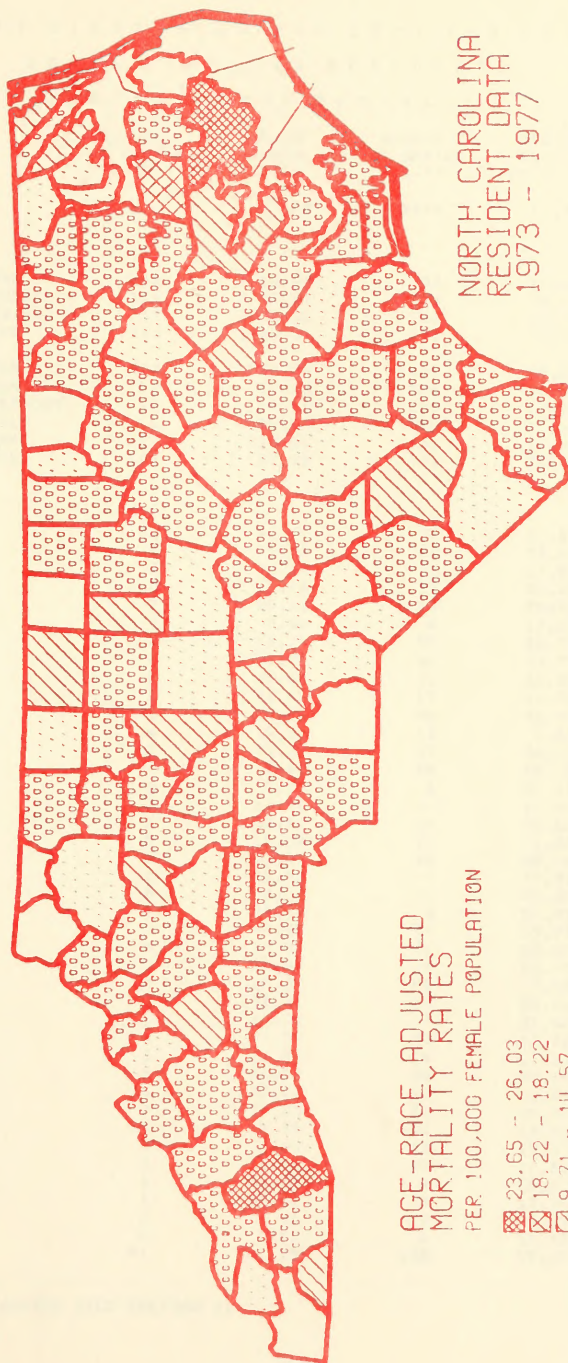


FIGURE 16.B

TABLE 17

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

CANCER OF THE PROSTATE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	510	19.00	2479	18.78	18.78
REGIONS					
DHR I WESTERN	163	18.09	853	19.12	18.85
DHR II N. CENTRAL	110	19.53	536	19.17	18.64
DHR III S. CENTRAL	117	18.80	511	16.78	18.52
DHR IV EASTERN	120	20.07	579	19.99	18.32
HSA I WESTERN	100	21.94	469	20.82	18.59
HSA II PIEDMONT	96	19.35	466	18.91	19.50
HSA III S. PIEDMONT	63	14.14	384	17.38	19.19
HSA IV CAPITAL	66	18.00	316	17.64	17.33
HSA V CARDINAL	78	18.54	350	16.95	18.08
HSA VI EASTERN	107	21.40	494	20.43	18.70
COUNTIES					
1 ALAMANCE	15	31.79	52	21.89	23.04
2 ALEXANDER	5	45.94	18	33.63	49.66
3 ALLEGHANY	3	71.92	12	57.87	27.24
4 ANSON	2	17.74	15	26.44	14.97
5 ASHE	2	20.23	19	38.80	18.55
6 AVERY	0	0.00	6	17.21	10.87
7 BEAUFORT	3	16.14	24	26.70	17.86
8 BERTIE	2	20.20	16	32.71	15.64
9 BLADEN	4	28.08	16	23.09	16.12
10 BRUNSWICK	2	12.25	13	16.28	14.47
11 BUNCOMBE	21	29.44	94	26.45	20.68
12 BURKE	4	12.90	13	8.31	11.63
13 CABARRUS	8	21.21	39	20.87	21.32
14 CALDWELL	4	13.69	20	13.72	16.96
15 CAMDEN	0	0.00	6	44.15	32.09
16 CARTERET	2	10.95	10	11.41	17.68
17 CASWELL	3	31.67	16	33.26	21.84
18 CATAWBA	9	18.68	21	8.83	11.05
19 CHATHAM	5	33.44	22	29.78	24.07
20 CHEROKEE	1	11.94	8	19.52	25.28
21 CHOWAN	0	0.00	12	44.00	31.87
22 CLAY	1	38.12	7	53.71	23.59
23 CLEVELAND	7	18.58	37	19.73	21.37
24 COLUMBUS	3	12.22	31	25.57	22.80
25 CRAVEN	5	14.02	27	15.39	21.04
26 CUMBERLAND	18	13.97	45	7.09	18.24
27 CURRITUCK	5	101.21	12	50.00	39.25
28 DARE	1	20.20	7	31.62	32.64
29 DAVIDSON	4	7.99	33	13.38	13.97
30 DAVIE	3	28.04	14	27.57	23.70
31 DUPLIN	5	26.02	22	23.16	20.17
32 DURHAM	14	20.77	69	20.81	18.22
33 EDGEcombe	7	27.23	36	28.34	18.81
34 FORSYTH	20	18.75	102	19.26	19.97
35 FRANKLIN	0	0.00	13	19.45	12.16
36 GASTON	4	5.31	47	12.56	13.72
37 GATES	2	48.25	8	38.63	25.46
38 GRAHAM	1	29.52	2	12.26	7.01
39 GRANVILLE	0	0.00	7	8.64	6.82
40 GREENE	0	0.00	6	16.58	19.98
41 GUILFORD	31	21.79	136	19.31	20.69

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
CANCER OF THE PROSTATE CONT'D.

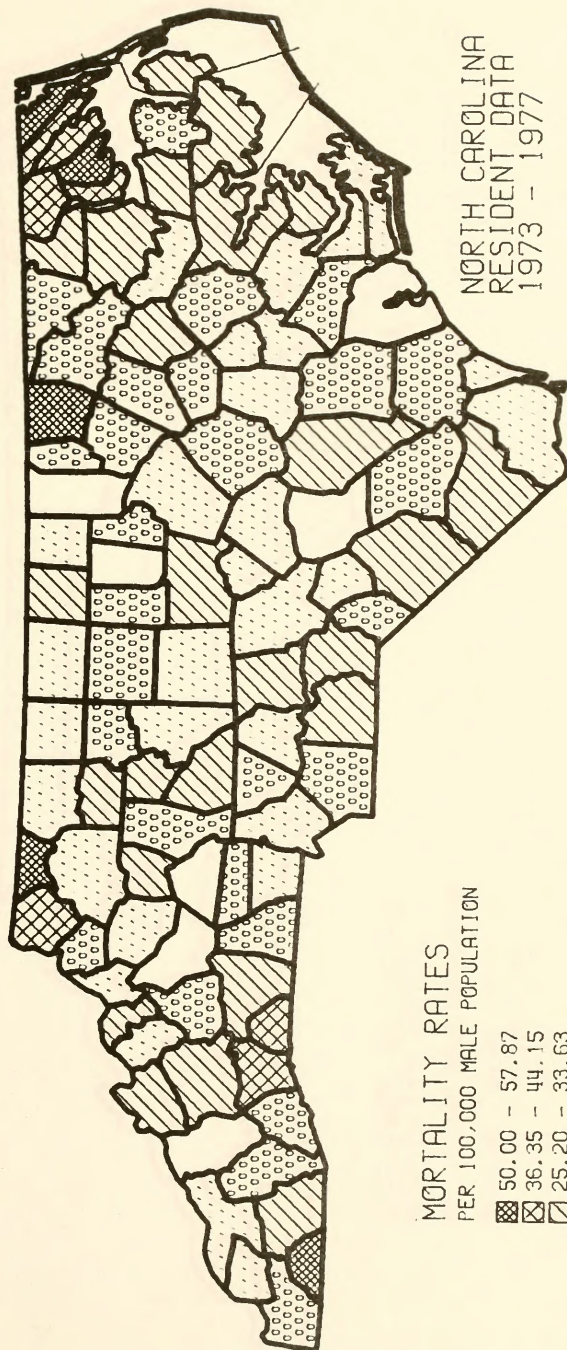
COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE* 1973-77
42 HALIFAX	14	52.83	31	23.67	15.01
43 HARNETT	2	7.36	22	16.66	17.68
44 HAYWOOD	2	9.45	9	8.56	14.79
45 HENDERSON	7	28.82	42	36.35	20.65
46 HERTFORD	2	17.47	15	26.60	18.89
47 HOKE	2	21.32	6	13.60	16.52
48 HYDE	1	36.21	4	29.92	10.95
49 IREDELL	7	18.65	39	21.03	18.97
50 JACKSON	3	24.37	13	21.52	15.49
51 JOHNSTON	7	22.46	35	22.63	21.55
52 JONES	1	21.87	5	21.55	12.58
53 LEE	2	12.25	14	17.60	18.37
54 LENOIR	7	25.08	25	18.11	16.85
55 LINCOLN	6	32.70	18	20.03	22.05
56 MCDOWELL	1	6.16	16	19.39	13.44
57 MACON	2	22.06	13	30.05	12.06
58 MADISON	2	24.25	13	32.19	11.28
59 MARTIN	2	16.55	8	13.47	8.79
60 MECKLENBURG	23	12.86	135	15.16	19.58
61 MITCHELL	3	44.56	9	26.87	12.88
62 MONTGOMERY	4	43.36	15	31.93	24.42
63 MOORE	4	19.40	13	12.93	9.52
64 NASH	9	28.49	32	20.89	18.16
65 NEW HANOVER	6	12.93	29	12.78	13.01
66 NORTHAMPTON	0	0.00	11	19.25	12.77
67 ONSLOW	1	1.40	14	4.42	18.62
68 ORANGE	2	5.72	16	9.24	12.76
69 PAMLICO	2	42.65	7	30.94	18.30
70 PASQUOTANK	3	21.64	26	38.55	28.25
71 PENDER	2	18.75	12	23.69	18.67
72 PERQUIMANS	3	71.80	11	54.26	26.26
73 PERSON	2	15.26	11	16.89	15.38
74 PITT	12	31.72	38	20.61	22.35
75 POLK	4	67.85	11	37.87	22.05
76 RANDOLPH	6	14.82	26	12.97	11.43
77 RICHMOND	5	25.19	25	25.57	22.14
78 ROBESON	16	35.73	63	28.54	21.88
79 ROCKINGHAM	3	8.41	33	18.17	15.66
80 ROWAN	7	15.66	56	25.20	20.93
81 RUTHERFORD	6	24.68	31	25.83	20.41
82 SAMPSON	6	25.82	30	26.28	19.89
83 SCOTLAND	2	14.22	15	21.56	21.92
84 STANLY	2	9.26	19	17.61	17.27
85 STOKES	3	20.99	12	17.43	22.84
86 SURRY	3	11.27	24	18.26	14.68
87 SWAIN	3	57.27	3	12.16	9.01
88 TRANSYLVANIA	2	18.38	11	21.06	25.57
89 TYRRELL	0	0.00	2	22.00	12.09
90 UNION	6	19.14	31	20.31	22.09
91 VANCE	5	30.56	18	22.60	15.79
92 WAKE	22	16.32	90	13.93	17.57
93 WARREN	7	86.41	21	52.76	22.44
94 WASHINGTON	3	40.63	10	28.33	18.40
95 WATAUGA	4	28.94	16	23.55	18.52
96 WAYNE	9	20.21	37	16.78	19.15
97 WILKES	3	11.17	20	15.15	16.38
98 WILSON	6	20.55	32	22.41	18.93
99 YADKIN	5	38.80	18	28.11	36.89
100 YANCEY	0	0.00	5	14.65	7.24

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

CANCER OF THE PROSTATE



MORTALITY RATES
PER 100,000 MALE POPULATION

- 50.00 - 57.87
- 36.35 - 44.15
- 25.20 - 33.63
- 19.25 - 23.69
- 11.41 - 18.26
- 4.42 - 9.24

FIGURE 17.A

CANCER OF THE PROSTATE

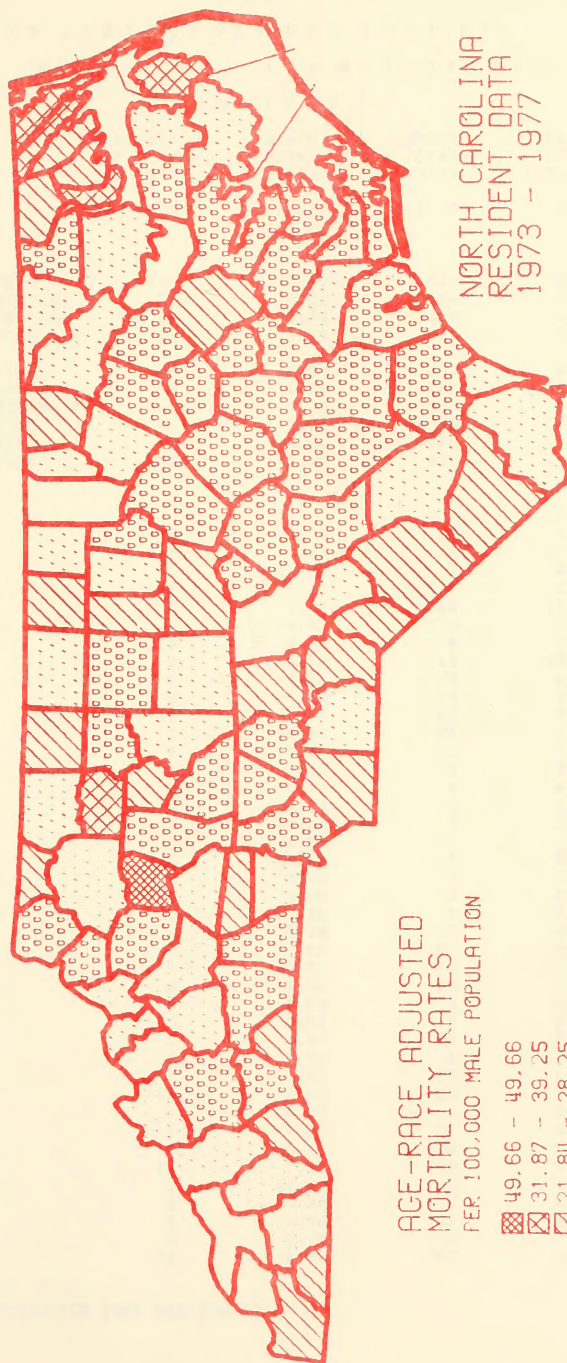


FIGURE 17.B

TABLE 18

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

LEUKEMIA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	343	6.20	1709	6.29	6.29
REGIONS					
DHR I WESTERN	134	7.13	627	6.75	6.28
DHR II N. CENTRAL	73	6.15	404	6.88	6.69
DHR III S. CENTRAL	72	5.74	369	6.03	6.83
DHR IV EASTERN	64	5.28	309	5.27	5.44
HSA I WESTERN	66	6.97	323	6.91	5.97
HSA II PIEDMONT	69	6.59	348	6.72	6.60
HSA III S. PIEDMONT	68	7.30	304	6.59	6.65
HSA IV CAPITAL	45	5.94	255	6.90	7.35
HSA V CARDINAL	42	5.01	222	5.40	6.00
HSA VI EASTERN	53	5.26	257	5.27	5.43
COUNTIES					
1 ALAMANCE	6	6.06	33	6.64	6.13
2 ALEXANDER	2	9.00	12	10.99	14.40
3 ALLEGHANY	1	11.34	3	6.87	4.36
4 ANSON	1	4.18	4	3.34	2.72
5 ASHE	0	0.00	12	11.95	8.23
6 AVERY	2	14.41	4	5.74	4.36
7 BEAUFORT	2	5.06	9	4.73	4.09
8 BERTIE	3	14.08	11	10.54	6.74
9 BLADEN	4	13.61	9	6.31	7.37
10 BRUNSWICK	2	6.06	4	2.47	2.71
11 BUNCOMBE	11	7.27	62	8.24	6.07
12 BURKE	7	10.97	21	6.51	6.60
13 CABARRUS	7	8.85	31	7.92	7.54
14 CALDWELL	6	9.92	22	7.31	6.59
15 CAMDEN	0	0.00	2	6.97	7.80
16 CARTERET	2	5.39	9	5.05	4.79
17 CASWELL	2	10.36	8	8.17	8.22
18 CATAWBA	5	4.99	30	6.08	6.09
19 CHATHAM	6	19.64	15	9.95	8.96
20 CHEROKEE	0	0.00	4	4.67	3.27
21 CHOWAN	0	0.00	3	5.34	4.40
22 CLAY	1	17.85	4	14.56	8.98
23 CLEVELAND	4	5.13	22	5.67	5.54
24 COLUMBUS	4	7.82	21	8.33	8.64
25 CRAVEN	4	5.82	16	4.72	5.91
26 CUMBERLAND	8	3.45	39	3.43	6.22
27 CURRITUCK	0	0.00	3	6.15	5.07
28 DARE	0	0.00	1	2.18	1.01
29 DAVIDSON	5	4.88	28	5.55	5.61
30 DAVIE	2	8.98	8	7.61	6.11
31 DUPLIN	5	12.41	12	6.05	5.70
32 DURHAM	11	7.66	55	7.80	8.36
33 EDGECOMBE	0	0.00	9	3.34	4.05
34 FORSYTH	17	7.45	76	6.73	6.92
35 FRANKLIN	0	0.00	8	5.70	5.23
36 GASTON	11	7.00	39	5.00	4.94
37 GATES	1	12.04	3	7.21	4.25
38 GRAHAM	0	0.00	2	6.10	4.20
39 GRANVILLE	2	6.10	11	6.69	7.09
40 GREENE	1	6.72	3	4.00	5.59
41 GUILFORD	21	6.89	97	6.45	6.47

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
LEUKEMIA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE* 1973-77
42 HALIFAX	2	3.57	16	5.81	5.01
43 HARNETT	4	7.23	15	5.58	5.60
44 HAYWOOD	5	11.40	21	9.65	5.68
45 HENDERSON	3	5.88	16	6.59	5.41
46 HERTFORD	3	12.37	8	6.72	6.05
47 HOKE	0	0.00	9	10.26	14.50
48 HYDE	1	17.39	2	7.21	4.41
49 IREDELL	7	8.91	28	7.22	6.79
50 JACKSON	1	4.00	3	2.45	1.83
51 JOHNSTON	8	12.19	26	8.02	7.42
52 JONES	0	0.00	2	4.17	3.90
53 LEE	1	2.90	9	5.39	5.52
54 LENOIR	2	3.35	14	4.76	5.86
55 LINCOLN	0	0.00	15	8.11	8.10
56 MCDOWELL	2	5.92	8	4.66	3.51
57 MACON	1	5.30	7	7.81	4.64
58 MADISON	0	0.00	4	4.78	10.70
59 MARTIN	1	3.91	8	6.39	6.21
60 MECKLENBURG	29	7.70	123	6.56	7.60
61 MITCHELL	1	7.15	5	7.20	3.77
62 MONTGOMERY	1	5.21	7	7.17	6.67
63 MOORE	3	6.88	17	8.02	6.30
64 NASH	3	4.48	15	4.64	4.24
65 NEW HANOVER	5	5.13	21	4.41	4.61
66 NORTHAMPTON	0	0.00	9	7.76	4.25
67 ONSLOW	2	1.72	11	2.14	5.15
68 ORANGE	2	2.90	20	5.90	6.41
69 PAMLICO	0	0.00	3	6.33	5.49
70 PASQUOTANK	2	6.94	5	3.57	3.42
71 PENDER	0	0.00	6	5.83	6.98
72 PERQUIMANS	0	0.00	5	11.84	11.70
73 PERSON	1	3.67	9	6.67	5.53
74 PITT	7	8.76	23	5.92	6.56
75 POLK	3	23.26	7	11.09	9.24
76 RANDOLPH	5	6.00	28	6.80	6.16
77 RICHMOND	0	0.00	11	5.36	5.23
78 ROBESON	6	6.41	35	7.60	7.64
79 ROCKINGHAM	10	13.27	34	8.89	8.12
80 ROWAN	8	8.57	43	9.29	7.91
81 RUTHERFORD	5	9.79	19	7.55	6.74
82 SAMPSON	2	4.09	14	5.86	5.36
83 SCOTLAND	2	6.73	10	6.82	7.25
84 STANLY	4	8.89	13	5.80	6.06
85 STOKES	1	3.42	7	4.98	4.94
86 SURRY	0	0.00	19	6.93	7.27
87 SWAIN	1	9.65	3	6.13	4.28
88 TRANSYLVANIA	0	0.00	6	5.69	4.41
89 TYRRELL	0	0.00	1	5.22	3.59
90 UNION	2	3.14	12	3.87	3.75
91 VANCE	0	0.00	20	11.90	11.23
92 WAKE	13	4.73	74	5.61	6.57
93 WARREN	1	5.88	8	9.60	10.52
94 WASHINGTON	3	20.03	9	12.59	14.62
95 WATAUGA	1	3.48	5	3.54	2.72
96 WAYNE	5	5.49	27	6.01	7.22
97 WILKES	2	3.63	16	5.93	4.69
98 WILSON	4	6.52	18	6.01	6.17
99 YADKIN	0	0.00	10	7.49	8.34
100 YANCEY	2	13.87	5	7.18	4.29

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

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LEUKEMIA

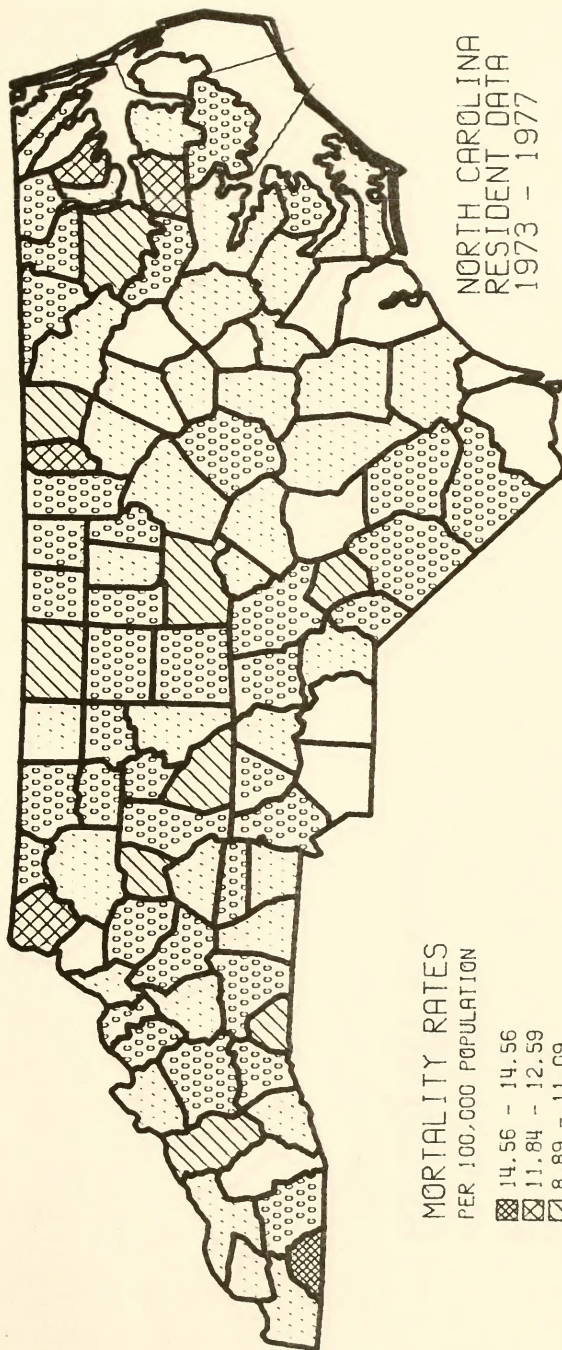


FIGURE 18.A

LEUKEMIA

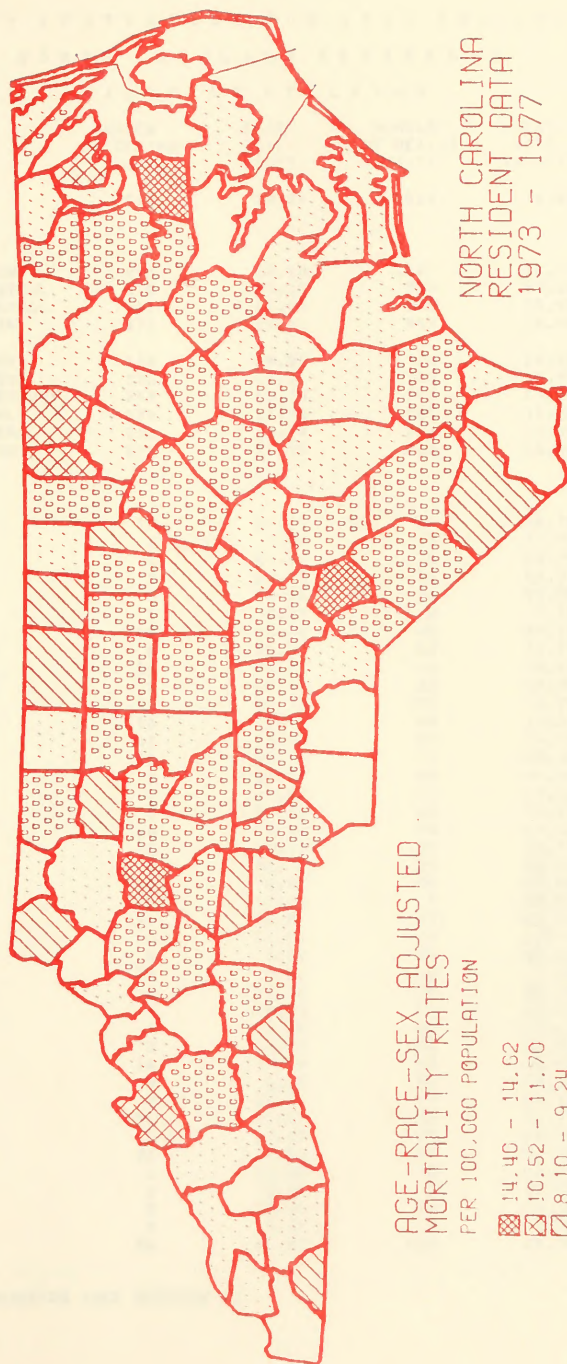


FIGURE 18.B

TABLE 19

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

DIABETES MELLITUS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	820	14.84	4418	16.28	16.28
REGIONS					
DHR I WESTERN	285	15.18	1526	16.44	16.89
DHR II N. CENTRAL	179	15.10	954	16.26	15.95
DHR III S. CENTRAL	181	14.44	976	15.95	17.00
DHR IV EASTERN	175	14.46	962	16.40	15.53
HSA I WESTERN	138	14.58	778	16.65	17.07
HSA II PIEDMONT	158	15.11	823	15.89	16.34
HSA III S. PIEDMONT	147	15.79	748	16.22	17.15
HSA IV CAPITAL	104	13.73	525	14.21	14.36
HSA V CARDINAL	132	15.74	742	18.06	18.53
HSA VI EASTERN	141	13.99	802	16.46	15.66
COUNTIES					
1 ALAMANCE	17	17.17	84	16.92	17.21
2 ALEXANDER	1	4.50	13	11.91	12.67
3 ALLEGHANY	1	11.34	6	13.74	11.25
4 ANSON	5	20.93	30	25.07	17.47
5 ASHE	3	14.76	32	31.88	24.13
6 AVERY	1	7.20	5	7.18	5.57
7 BEAUFORT	10	25.32	46	24.18	18.87
8 BERTIE	6	28.16	22	21.09	14.44
9 BLADEN	11	37.45	40	28.04	22.86
10 BRUNSWICK	4	12.12	20	12.35	13.69
11 BUNCOMBE	22	14.55	141	18.74	17.23
12 BURKE	10	15.67	43	13.33	13.13
13 CABARRUS	11	13.91	57	14.56	14.69
14 CALDWELL	19	31.44	71	23.60	31.87
15 CAMDEN	1	17.50	10	34.87	27.49
16 CARTERET	5	13.48	34	19.10	19.63
17 CASWELL	4	20.72	15	15.31	11.76
18 CATAWBA	10	9.99	75	15.20	17.57
19 CHATHAM	4	13.09	20	13.27	11.53
20 CHEROKEE	4	22.79	23	26.88	34.89
21 CHOWAN	1	8.57	18	32.06	26.27
22 CLAY	1	17.85	7	25.48	14.03
23 CLEVELAND	10	12.84	58	14.96	15.80
24 COLUMBUS	9	17.61	43	17.06	15.55
25 CRAVEN	4	5.82	44	13.00	15.28
26 CUMBERLAND	13	5.62	80	7.04	11.55
27 CURRITUCK	2	19.90	15	30.75	27.74
28 DARE	3	29.25	14	30.52	23.22
29 DAVIDSON	7	6.84	46	9.12	12.73
30 DAVIE	3	13.47	26	24.73	22.36
31 DUFLIN	14	34.75	43	21.68	18.05
32 DURHAM	9	6.27	96	13.62	13.29
33 EDGEcombe	7	12.80	45	16.72	14.93
34 FORSYTH	46	20.17	178	15.77	15.87
35 FRANKLIN	5	17.69	28	19.96	14.83
36 GASTON	22	14.01	129	16.56	17.71
37 GATES	1	12.04	5	12.02	6.26
38 GRAHAM	0	0.00	5	15.25	18.63
39 GRANVILLE	5	15.26	32	19.46	16.89
40 GREENE	0	0.00	7	9.34	7.12
41 GUILFORD	36	11.82	218	14.50	15.26

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
DIABETES MELLITUS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE* 1973-77
42 HALIFAX	9	16.10	65	23.62	15.90
43 HARNETT	3	5.42	60	22.33	22.70
44 HAYWOOD	10	22.81	42	19.31	23.61
45 HENDERSON	5	9.80	36	14.83	19.25
46 HERTFORD	4	16.49	15	12.61	7.22
47 HOKE	1	5.39	17	19.38	18.19
46 HYDE	2	34.79	7	25.24	16.24
49 IREDELL	15	19.10	85	21.93	21.15
50 JACKSON	4	16.03	24	19.63	22.63
51 JOHNSTON	11	16.77	62	19.13	18.49
52 JONES	1	10.55	5	10.44	7.42
53 LEE	12	34.89	35	20.97	20.69
54 LENOIR	6	10.07	44	14.96	12.36
55 LINCOLN	4	10.58	34	18.39	20.24
56 MCDOWELL	4	11.84	27	15.74	21.83
57 MACON	3	15.91	12	13.38	6.86
58 MADISON	3	17.42	11	13.14	6.88
59 MARTIN	5	19.55	18	14.39	13.56
60 MECKLENBURG	53	14.07	229	12.23	14.01
61 MITCHELL	3	21.45	10	14.41	7.23
62 MONTGOMERY	2	10.42	25	25.62	20.74
63 MOORE	2	4.58	35	16.51	14.08
64 NASH	6	8.97	38	11.77	10.52
65 NEW HANOVER	13	13.34	81	17.02	16.28
66 NORTHAMPTON	3	12.81	31	26.73	20.76
67 ONSLOW	3	2.59	18	3.51	11.01
68 ORANGE	15	21.80	24	7.08	9.42
69 PAMLICO	1	10.17	8	16.88	10.68
70 PASQUOTANK	5	17.36	30	21.43	19.12
71 PENDER	8	37.05	16	15.55	11.62
72 PERQUIMANS	1	11.45	10	23.68	16.66
73 PERSON	2	7.34	13	9.63	8.24
74 PITT	11	13.77	47	12.10	11.47
75 POLK	1	7.75	15	23.78	17.21
76 RANDOLPH	6	7.21	53	12.88	15.17
77 RICHMOND	8	19.16	44	21.45	18.84
78 ROBESON	30	32.06	139	30.18	29.47
79 ROCKINGHAM	22	29.20	96	25.10	23.69
80 ROWAN	25	26.80	106	22.91	20.54
81 RUTHERFORD	9	17.62	30	11.93	10.39
82 SAMPSON	15	30.68	69	28.89	21.85
83 SCOTLAND	8	26.92	43	29.34	29.38
84 STANLY	6	13.34	51	22.78	21.74
85 STOKES	3	10.27	17	12.09	12.77
86 SURRY	6	10.79	44	16.07	13.57
87 SWAIN	1	9.65	11	22.48	20.51
88 TRANSYLVANIA	2	9.10	25	23.73	30.54
89 TYRRELL	1	26.37	6	31.32	20.27
90 UNION	11	17.31	57	18.40	20.11
91 VANCE	6	17.36	38	22.61	19.98
92 WAKE	32	11.64	157	11.92	14.37
93 WARREN	3	17.64	20	24.01	19.76
94 WASHINGTON	1	6.67	13	18.19	16.84
95 WATAUGA	4	13.93	15	10.63	19.37
96 WAYNE	15	16.47	77	17.14	19.56
97 WILKES	5	9.08	33	12.23	12.14
98 WILSON	13	21.20	67	22.39	21.47
99 YADKIN	8	29.63	46	34.48	31.15
100 YANCEY	2	13.87	8	11.50	7.22

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

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DIABETES MELLITUS

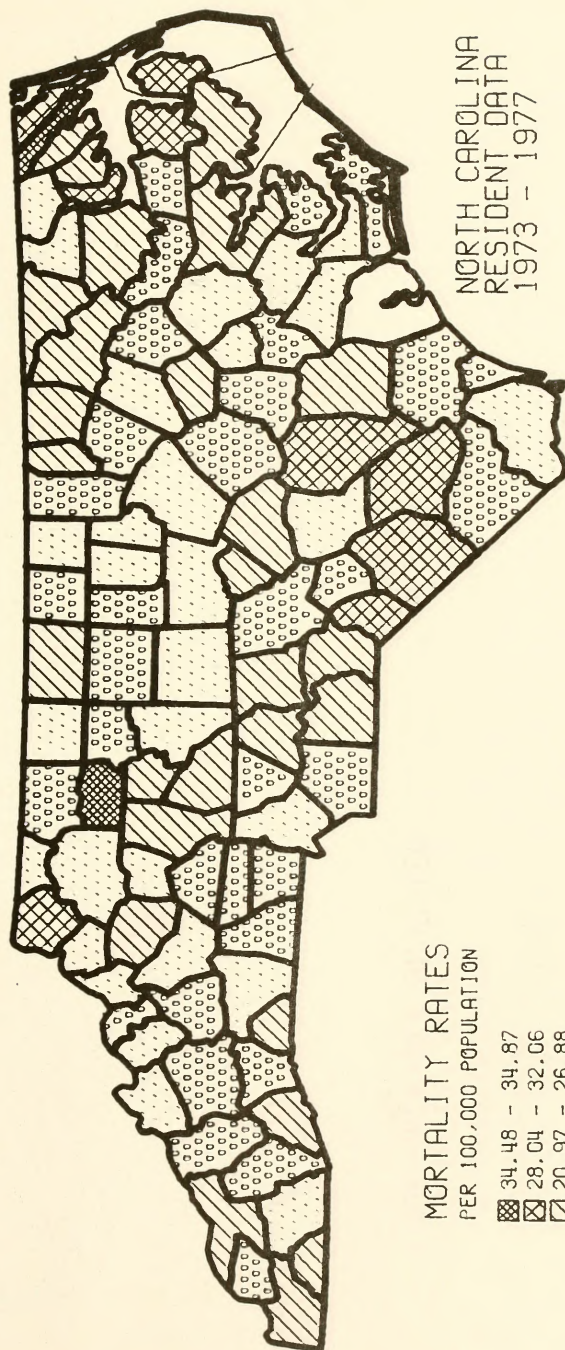


FIGURE 19.A

MORTALITY RATES
PER 100,000 POPULATION

- 34.48 - 34.87
- 28.04 - 32.06
- 20.97 - 26.88
- 14.39 - 19.96
- 7.04 - 13.74
- 3.51 - 3.51

DIABETES MELLITUS

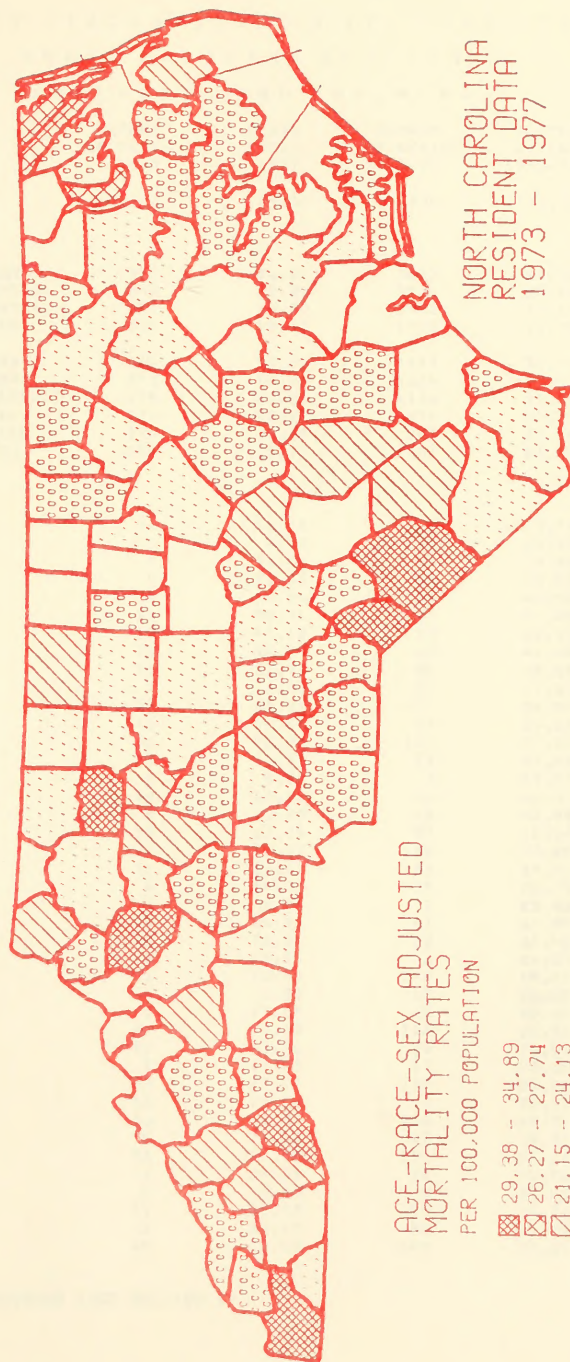


FIGURE 19.B

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION

- 29.38 - 34.89
- 26.27 - 27.74
- 21.15 - 24.13
- 16.24 - 20.76
- 12.14 - 15.90
- 5.57 - 11.76

TABLE 20

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

INFLUENZA AND PNEUMONIA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	1343	24.30	6900	25.43	25.43
REGIONS					
DHR I WESTERN	493	26.26	2549	27.46	26.41
DHR II N. CENTRAL	288	24.29	1474	25.12	24.62
DHR III S. CENTRAL	255	20.35	1353	22.11	24.76
DHR IV EASTERN	307	25.36	1524	25.99	26.58
HSA I WESTERN	264	27.89	1417	30.34	27.36
HSA II PIEDMONT	247	23.62	1264	24.41	24.54
HSA III S. PIEDMONT	229	24.60	1132	24.55	25.79
HSA IV CAPITAL	174	22.97	876	23.72	24.83
HSA V CARDINAL	170	20.28	904	22.00	23.92
HSA VI EASTERN	259	25.71	1307	26.83	27.73
COUNTIES					
1 ALAMANCE	16	16.16	98	19.74	19.79
2 ALEXANDER	1	4.50	31	28.40	30.16
3 ALLEGHANY	8	90.78	33	75.59	39.32
4 ANSON	5	20.93	48	40.12	28.01
5 ASHE	2	9.84	47	46.83	24.13
6 AVERY	12	86.46	49	70.39	47.25
7 BEAUFORT	19	48.12	73	38.37	30.41
8 BERTIE	10	46.94	42	40.28	35.77
9 BLADEN	11	37.45	50	35.05	32.46
10 BRUNSWICK	1	3.03	27	16.68	19.18
11 BUNCOMBE	53	35.06	275	36.56	28.49
12 BURKE	10	15.67	78	24.18	22.07
13 CABARRUS	16	20.23	106	27.08	27.28
14 CALDWELL	13	21.51	79	26.26	33.11
15 CAMDEN	0	0.00	7	24.41	25.78
16 CARTERET	10	26.96	46	25.84	24.67
17 CASWELL	5	25.90	26	26.55	20.97
18 CATAWBA	18	17.99	92	18.64	23.42
19 CHATHAM	7	22.92	36	23.89	19.65
20 CHEROKEE	11	62.67	33	38.57	22.26
21 CHOWAN	4	34.28	15	26.72	20.48
22 CLAY	0	0.00	7	25.48	15.33
23 CLEVELAND	11	14.13	81	20.90	21.10
24 COLUMBUS	16	31.30	59	23.41	22.27
25 CRAVEN	19	27.66	73	21.57	29.04
26 CUMBEKLAND	31	13.40	178	15.66	30.54
27 CURRITUCK	1	9.95	13	26.65	21.07
28 DARE	3	29.25	12	26.16	22.12
29 DAVIDSON	21	20.53	116	23.01	24.36
30 DAVIE	10	44.92	36	34.24	27.00
31 DUPLIN	7	17.37	47	23.69	22.20
32 DURHAM	39	27.17	198	28.09	27.26
33 EDGECOMBE	13	23.78	70	26.02	27.50
34 FORSYTH	60	26.31	286	25.34	26.97
35 FRANKLIN	6	21.22	37	26.38	22.27
36 GASTON	33	21.02	166	21.31	23.55
37 GATES	2	24.09	23	55.32	38.18
38 GRAHAM	0	0.00	9	27.45	71.47
39 GRANVILLE	17	51.88	45	27.36	24.67
40 GREENE	2	13.45	26	34.72	33.54
41 GUILFORD	69	22.66	349	23.22	24.08

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977. NORTH CAROLINA RESIDENTS
INFLUENZA AND PNEUMONIA CONT'D.

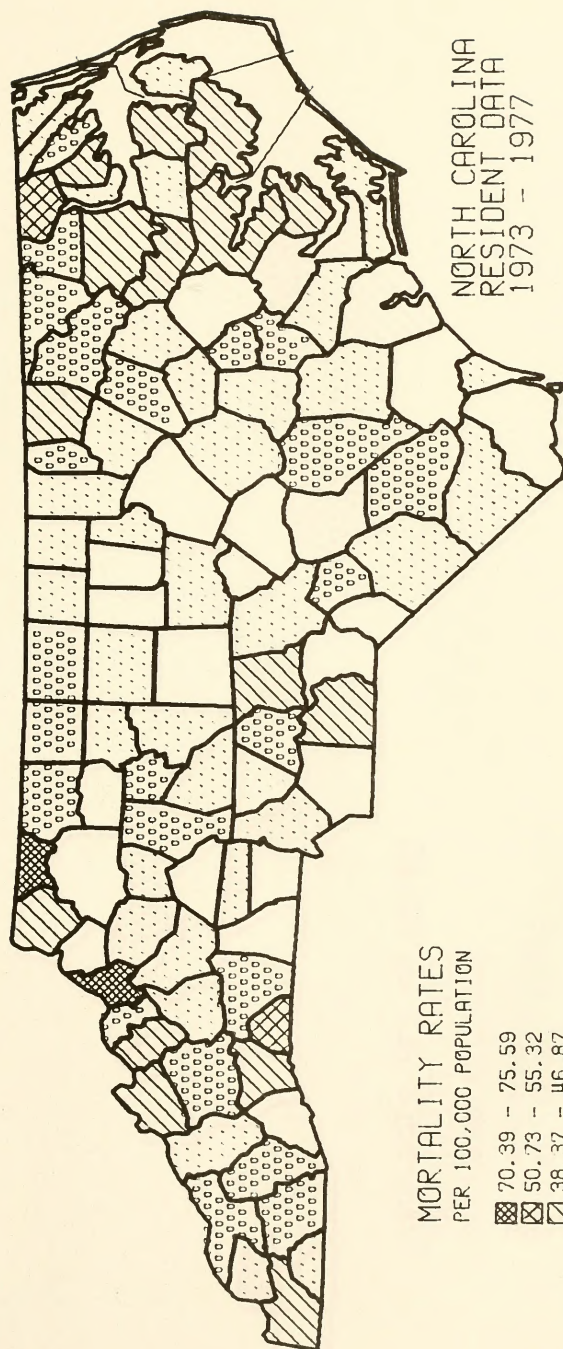
COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE* 1973-77
42 HALIFAX	15	26.83	95	34.53	27.49
43 HARNETT	6	10.84	43	16.00	17.32
44 HAYWOOD	13	29.66	61	28.05	23.91
45 HENDERSON	25	49.02	110	45.33	37.88
46 HERTFORD	6	24.74	35	29.43	22.98
47 HOKE	5	26.97	29	33.06	29.88
48 HYOE	4	69.58	13	46.87	27.68
49 IREDELL	25	31.84	120	30.97	28.65
50 JACKSON	9	36.08	37	30.26	29.68
51 JOHNSTON	23	35.06	81	24.99	24.75
52 JONES	2	21.10	11	22.97	24.14
53 LEE	4	11.63	36	21.57	21.19
54 LENOIR	18	30.21	92	31.29	33.94
55 LINCOLN	12	31.75	51	27.59	32.11
56 MCDOWELL	6	17.76	44	25.65	23.34
57 MACON	3	15.91	30	33.47	21.89
58 MAISON	10	58.09	38	45.41	22.26
59 MARTIN	13	50.83	48	38.39	34.09
60 MECKLENBURG	94	24.96	454	24.24	27.94
61 MITCHELL	6	42.91	23	33.14	16.74
62 MONTGOMERY	7	36.48	38	38.94	29.97
63 MOORE	11	25.23	53	25.00	19.99
64 NASH	16	23.93	107	33.14	32.29
65 NEW HANOVER	27	27.71	116	24.38	25.03
66 NORTHAMPTON	6	25.62	36	31.05	20.37
67 ONSLOW	13	11.23	62	12.09	35.07
68 ORANGE	7	10.17	56	16.52	21.84
69 PAMLICO	5	50.89	19	40.10	28.73
70 PASQUOTANK	4	13.89	41	29.28	25.52
71 PENDER	4	18.52	15	14.58	11.64
72 PERQUIMANS	4	45.80	17	40.26	28.66
73 PERSON	5	18.35	35	25.95	25.57
74 PITT	18	22.54	75	19.31	20.83
75 POLK	4	31.01	32	50.73	35.77
76 RANDOLPH	16	19.22	74	17.99	19.07
77 RICHMOND	6	14.37	39	19.01	18.25
78 ROBESON	24	25.65	113	24.54	23.73
79 ROCKINGHAM	19	25.22	121	31.64	28.90
80 ROWAN	26	27.87	111	23.99	19.10
81 RUTHERFORD	17	33.29	90	35.79	29.99
82 SAMPSON	10	20.45	75	31.40	28.47
83 SCOTLAND	6	20.19	21	14.33	16.03
84 STANLY	8	17.79	73	32.61	31.46
85 STOKES	9	30.83	49	34.86	30.10
86 SURRY	15	26.98	82	29.94	27.49
87 SWAIN	3	28.97	15	30.66	20.78
88 TRANSYLVANIA	5	22.76	20	18.98	21.79
89 TYRRELL	3	79.13	8	41.77	30.91
90 UNION	15	23.60	51	16.46	17.52
91 VANCE	7	20.25	60	35.70	29.64
92 WAKE	53	19.28	259	19.66	24.68
93 WARREN	6	35.28	33	39.61	31.80
94 WASHINGTON	4	26.70	19	26.59	26.30
95 WATAUGA	5	17.42	25	17.72	26.02
96 WAYNE	20	21.97	100	22.25	26.51
97 WILKES	12	21.81	49	18.16	14.75
98 WILSON	18	29.35	82	27.41	29.36
99 YADKIN	7	25.92	27	20.24	16.76
100 YANCEY	7	48.57	29	41.69	56.43

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

INFLUENZA AND PNEUMONIA



MORTALITY RATES
PER 100,000 POPULATION

- 70.39 - 75.59
- 50.73 - 55.32
- 38.37 - 46.87
- 29.28 - 36.56
- 22.25 - 28.40
- 12.09 - 21.57

NORTH CAROLINA
RESIDENT DATA
1973 - 1977

FIGURE 20.A

INFLUENZA AND PNEUMONIA

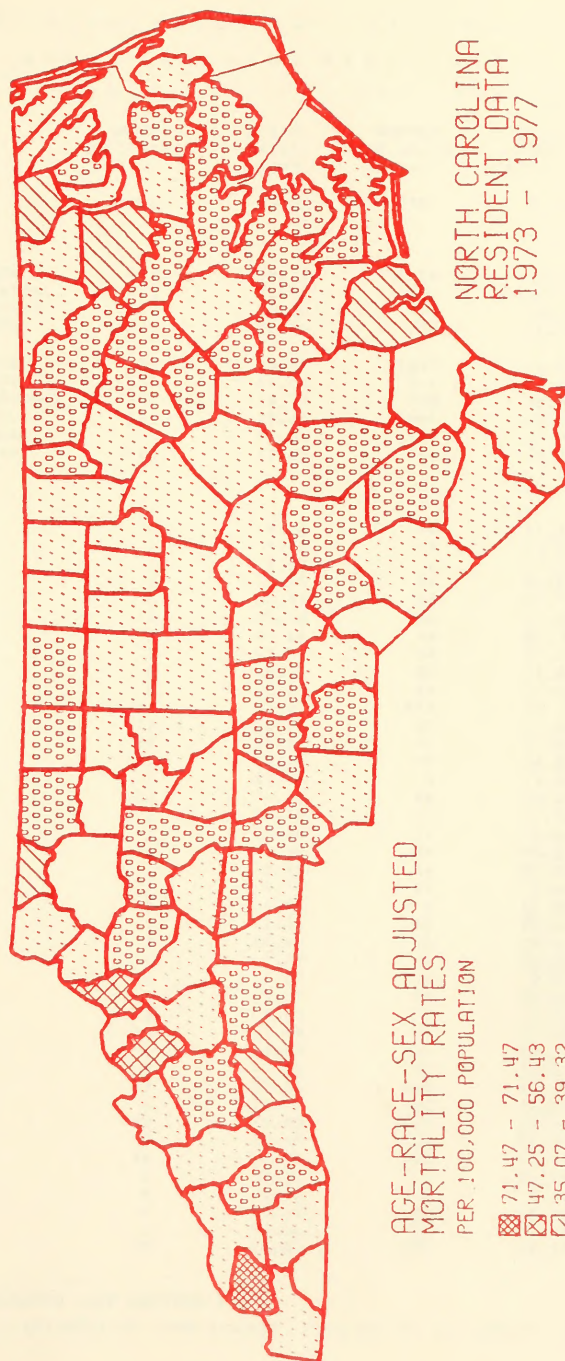


FIGURE 20.B

TABLE 21

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

CHRONIC OBSTRUCTIVE LUNG DISEASES *

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	1068	19.32	4804	17.70	17.70
REGIONS					
DHR I WESTERN	423	22.53	1816	19.56	17.38
DHR II N. CENTRAL	222	18.72	1041	17.74	16.93
DHR III S. CENTRAL	202	16.12	990	16.18	19.87
DHR IV EASTERN	221	18.26	957	16.32	18.28
HSA I WESTERN	239	25.25	1067	22.84	18.32
HSA II PIEDMONT	197	18.84	911	17.60	16.84
HSA III S. PIEDMONT	184	19.77	749	16.24	16.40
HSA IV CAPITAL	131	17.29	664	17.98	20.06
HSA V CARDINAL	137	16.34	647	15.75	19.30
HSA VI EASTERN	180	17.87	766	15.72	17.91
COUNTIES					
1 ALAMANCE	12	12.12	80	16.11	14.74
2 ALEXANDER	1	4.50	13	11.91	10.26
3 ALLEGHANY	0	0.00	6	13.74	7.24
4 ANSON	3	12.56	16	13.37	10.43
5 ASHE	6	29.53	25	24.91	34.71
6 AVERY	4	28.82	16	22.98	16.71
7 BEAUFORT	8	20.26	40	21.02	19.00
8 BERTIE	5	23.47	24	23.01	22.53
9 BLADEN	6	20.42	26	18.23	17.88
10 BRUNSWICK	4	12.12	24	14.82	14.61
11 BUNCOMBE	50	33.07	232	30.84	22.42
12 BURKE	12	18.80	55	17.05	14.71
13 CABARRUS	27	34.14	70	17.88	15.40
14 CALDWELL	12	19.85	58	19.28	19.80
15 CAMDEN	1	17.50	3	10.46	7.91
16 CARTERET	12	32.35	41	23.03	18.33
17 CASWELL	2	10.36	17	17.36	18.19
18 CATAWBA	13	12.99	75	15.20	15.47
19 CHATHAM	6	19.64	38	25.21	21.17
20 CHEROKEE	1	5.69	16	18.70	18.07
21 CHOWAN	1	8.57	11	19.59	17.52
22 CLAY	0	0.00	4	14.56	8.66
23 CLEVELAND	9	11.56	60	15.48	14.98
24 COLUMBUS	7	13.69	45	17.85	18.42
25 CRAVEN	5	7.27	40	11.82	17.92
26 CUMBERLAND	24	10.37	105	9.24	22.98
27 CURRITUCK	7	69.67	13	26.65	19.78
28 DARE	3	29.25	9	19.62	11.46
29 DAVIDSON	18	17.59	89	17.65	17.44
30 DAVIE	6	26.95	16	15.22	11.35
31 DUPLIN	8	19.85	29	14.62	13.79
32 DURHAM	27	18.81	145	20.57	22.21
33 EDGEcombe	6	10.97	42	15.61	17.35
34 FORSYTH	48	21.05	219	19.40	20.98
35 FRANKLIN	4	14.15	19	13.54	11.65
36 GASTON	26	16.56	128	16.43	15.96
37 GATES	1	12.04	7	16.83	14.85
38 GRAHAM	0	0.00	2	6.10	3.96
39 GRANVILLE	8	24.41	42	25.54	26.08
40 GREENE	6	40.36	11	14.69	15.66
41 GUILFORD	59	19.38	231	15.36	15.85

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

*INCLUDES CHRONIC OBSTRUCTIVE LUNG DISEASE (ICDA 519.3) AND BRONCHITIS, EMPHYSEMA AND ASTHMA (ICDA 490-493)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
CHRONIC OBSTRUCTIVE LUNG DISEASES* CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	18	32.20	54	19.62	20.57
43 HARNETT	7	12.65	51	18.98	19.35
44 HAYWOOD	20	45.63	64	29.42	24.50
45 HENDERSON	20	39.22	73	30.08	21.22
46 HERTFORD	1	4.12	9	7.56	5.23
47 HOKE	4	21.57	18	20.52	31.05
48 HYDE	0	0.00	2	7.21	4.36
49 IREDELL	17	21.65	80	20.64	17.90
50 JACKSON	6	24.05	23	18.81	17.32
51 JOHNSTON	15	22.86	71	21.90	20.29
52 JONES	2	21.10	12	25.06	27.98
53 LEE	4	11.63	23	13.78	14.05
54 LENOIR	8	13.42	42	14.28	16.88
55 LINCOLN	4	10.58	24	12.98	11.84
56 MCDOWELL	9	26.65	38	22.16	15.93
57 MACON	13	68.95	33	36.81	18.02
58 MADISON	2	11.61	21	25.09	13.45
59 MARTIN	6	23.46	23	18.39	19.88
60 MECKLENBURG	67	17.79	278	14.84	18.22
61 MITCHELL	10	71.53	32	46.12	23.49
62 MONTGOMERY	1	5.21	14	14.34	12.00
63 MOORE	14	32.11	57	26.89	20.81
64 NASH	11	16.45	52	16.10	16.41
65 NEW HANOVER	23	23.61	97	20.39	22.09
66 NORTHAMPTON	2	8.54	25	21.56	19.66
67 ONSLOW	11	9.50	42	8.19	21.35
68 ORANGE	6	8.72	35	10.32	14.51
69 PAMLICO	4	40.71	13	27.44	21.49
70 PASQUOTANK	4	13.89	26	18.57	17.83
71 PENDER	7	32.42	25	24.30	23.06
72 PERQUIMANS	4	45.80	7	16.58	10.54
73 PERSON	5	18.35	26	19.27	18.74
74 PITT	14	17.53	59	15.19	19.56
75 POLK	10	77.54	31	49.15	23.86
76 RANDOLPH	8	9.61	59	14.34	12.70
77 RICHMOND	12	28.74	47	22.92	22.72
78 ROBESON	9	9.62	55	11.94	17.36
79 ROCKINGHAM	17	22.56	79	20.65	17.51
80 ROWAN	23	24.66	95	20.53	15.89
81 RUTHERFORD	13	25.45	64	25.45	20.38
82 SAMPSON	8	16.36	35	14.65	13.75
83 SCOTLAND	8	26.92	32	21.84	28.97
84 STANLY	12	26.69	48	21.44	20.49
85 STOKES	4	13.70	25	17.78	12.94
86 SURRY	16	28.78	68	24.83	20.11
87 SWAIN	1	9.65	6	12.26	10.37
88 TRANSYLVANIA	6	27.31	29	27.52	26.32
89 TYRRELL	0	0.00	4	20.88	17.85
90 UNION	8	12.59	26	8.39	8.45
91 VANCE	4	11.57	23	13.68	14.94
92 WAKE	48	17.46	222	16.85	22.52
93 WARREN	4	23.52	20	24.01	19.27
94 WASHINGTON	4	26.70	12	16.79	19.42
95 WATAUGA	3	10.45	25	17.72	15.99
96 WAYNE	17	18.67	49	10.90	13.81
97 WILKES	14	25.45	52	19.28	24.17
98 WILSON	11	17.94	65	21.72	23.46
99 YADKIN	7	25.92	28	20.99	13.89
100 YANCEY	4	27.75	14	20.12	11.09

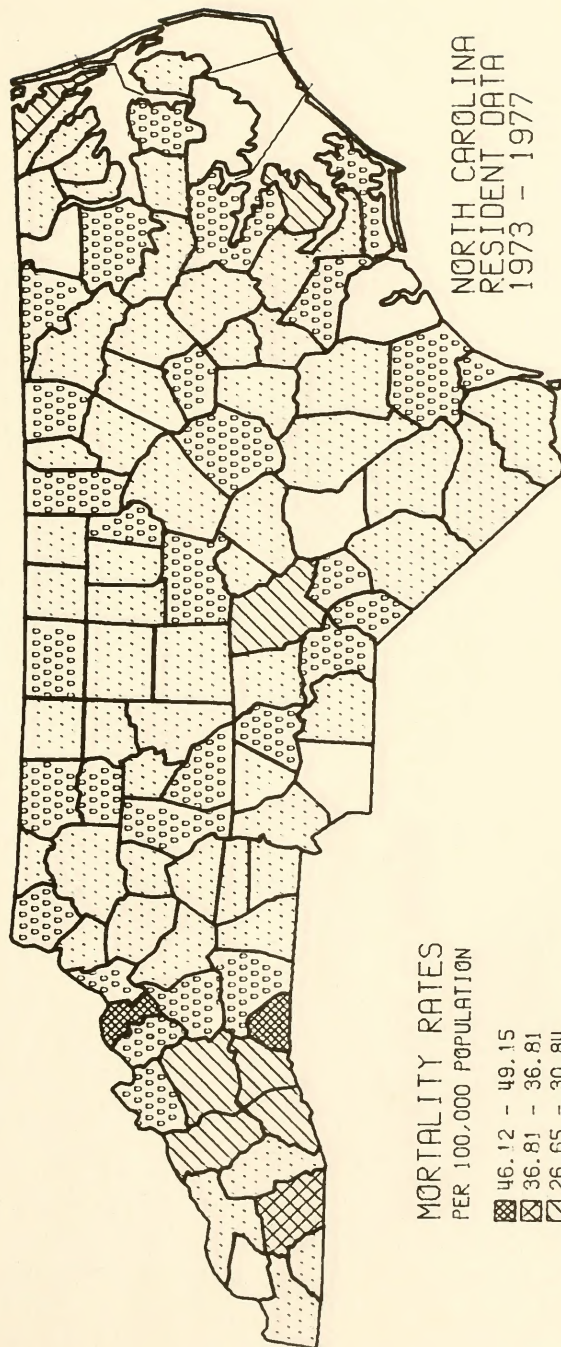
*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

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*INCLUDES CHRONIC OBSTRUCTIVE LUNG DISEASE (ICDA 519.3) AND BRONCHITIS, EMPHYSEMA AND ASTHMA (ICDA 490-493)

CHRONIC OBSTRUCTIVE LUNG DISEASES



MORTALITY RATES
PER 100,000 POPULATION

- 46.12 - 49.15
- 36.81 - 36.81
- 26.65 - 30.84
- 20.12 - 25.54
- 10.32 - 19.62
- 6.10 - 9.24

FIGURE 21.A

*Includes Chronic Obstructive Lung Disease (ICDA 519.3) and Bronchitis, Emphysema and Asthma (ICDA 490-493)

CHRONIC OBSTRUCTIVE LUNG DISEASES *

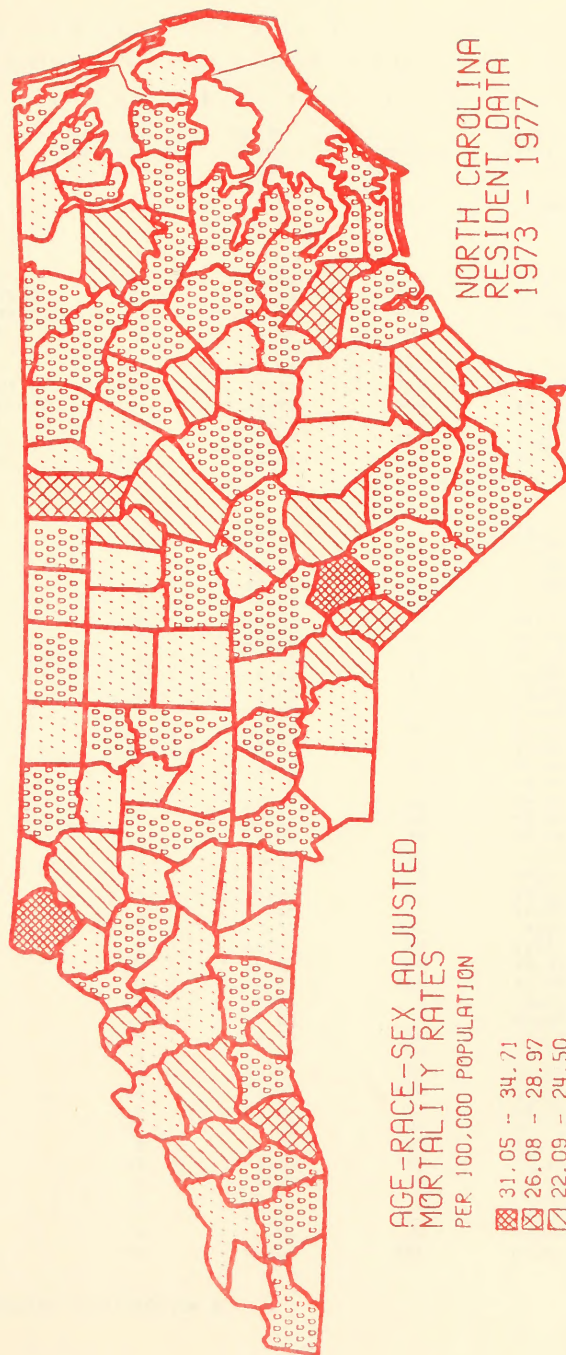


FIGURE 21.B

*Includes Chronic Obstructive Lung Disease (ICDA 519.3) and Bronchitis, Emphysema and Asthma (ICDA 490-493)

TABLE 22

MORTALITY STATISTICS FOR 1977 AND 1973 - 1977

NORTH CAROLINA RESIDENTS

CIRRHOSIS OF THE LIVER

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	718	12.99	3636	13.40	13.40
REGIONS					
DHR I WESTERN	256	13.63	1139	12.27	13.02
DHR II N. CENTRAL	159	13.41	822	14.01	13.58
DHR III S. CENTRAL	153	12.21	808	13.20	14.43
DHR IV EASTERN	150	12.39	867	14.78	14.91
HSA I WESTERN	108	11.41	481	10.29	11.61
HSA II PIEDMONT	145	13.86	712	13.75	13.76
HSA III S. PIEDMONT	148	15.90	658	14.27	14.40
HSA IV CAPITAL	94	12.41	526	14.24	14.57
HSA V CARDINAL	97	11.57	556	13.53	14.94
HSA VI EASTERN	126	12.51	703	14.43	14.52
COUNTIES					
1 ALAMANCE	12	12.12	55	11.08	9.98
2 ALEXANDER	2	9.00	12	10.99	11.60
3 ALLEGHANY	1	11.34	2	4.58	13.86
4 ANSON	3	12.56	8	6.68	5.96
5 ASHE	1	4.92	6	5.97	21.35
6 AVERY	2	14.41	3	4.30	3.68
7 BEAUFORT	5	12.66	28	14.72	12.56
8 BERTIE	2	9.38	12	11.50	11.90
9 BLADEN	2	6.80	17	11.91	10.81
10 BRUNSWICK	1	3.03	15	9.26	9.57
11 BUNCOMBE	22	14.55	107	14.22	14.59
12 BURKE	11	17.24	45	13.95	14.76
13 CABARRUS	14	17.70	44	11.24	11.21
14 CALDWELL	4	6.61	21	6.98	6.10
15 CAMDEN	0	0.00	2	6.97	4.51
16 CARTERET	6	16.17	26	14.61	14.15
17 CASWELL	2	10.36	10	10.21	11.41
18 CATAWBA	18	17.99	70	14.18	18.06
19 CHATHAM	2	6.54	10	6.63	5.72
20 CHEROKEE	3	17.09	13	15.19	10.47
21 CHOWAN	1	8.57	11	19.59	14.66
22 CLAY	1	17.85	3	10.92	7.08
23 CLEVELAND	6	7.70	31	8.00	8.12
24 COLUMBUS	7	13.69	30	11.90	12.44
25 CRAVEN	11	16.01	44	13.00	16.09
26 CUMBERLAND	18	7.78	130	11.44	19.05
27 CURRITUCK	0	0.00	4	8.20	8.59
28 DARE	2	19.50	6	13.08	8.89
29 DAVIDSON	5	8.79	38	7.53	8.79
30 DAVIE	1	4.49	7	6.65	6.41
31 DUFLIN	6	14.89	29	14.62	12.63
32 DURHAM	23	16.02	130	18.44	18.08
33 EDGEcombe	8	14.63	52	19.32	17.45
34 FORSYTH	41	17.98	194	17.19	16.93
35 FRANKLIN	4	14.15	23	16.39	16.65
36 GASTON	13	8.24	87	11.16	11.25
37 GATES	0	0.00	2	4.81	5.39
38 GRAHAM	0	0.00	2	6.10	4.69
39 GRANVILLE	3	9.15	14	8.51	9.94
40 GREENE	1	6.72	4	5.34	5.43
41 GUILFORD	49	16.09	256	17.03	16.83

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977. NORTH CAROLINA RESIDENTS
CIRRHOSIS OF THE LIVER CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	10	17.89	63	22.90	19.48
43 HARNETT	5	9.04	36	13.40	13.37
44 HAYWOOD	4	9.12	34	15.63	21.59
45 HENDERSON	4	7.84	27	11.12	16.81
46 HERTFORD	2	8.24	12	10.09	8.85
47 HOKE	4	21.57	11	12.54	12.70
48 HYDE	0	0.00	1	3.60	4.17
49 IREDELL	11	14.01	37	9.54	9.25
50 JACKSON	3	12.02	13	10.63	13.22
51 JOHNSTON	6	9.14	39	12.03	11.07
52 JONES	0	0.00	6	12.53	17.13
53 LEE	7	20.35	31	18.57	18.00
54 LENOIR	13	21.82	43	14.62	15.58
55 LINCOLN	6	15.87	23	12.44	15.63
56 MCDOWELL	2	5.92	13	7.58	13.03
57 MACON	2	10.60	6	6.69	3.95
58 MADISON	0	0.00	7	8.36	5.86
59 MARTIN	4	15.64	16	12.79	11.87
60 MECKLENBURG	82	21.77	352	18.80	19.21
61 MITCHELL	0	0.00	3	4.32	3.30
62 MONTGOMERY	0	0.00	8	8.19	7.47
63 MOORE	16	36.69	46	21.70	20.17
64 NASH	4	5.98	38	11.77	11.20
65 NEW HANOVER	13	13.34	102	21.44	21.59
66 NORTHAMPTON	1	4.27	21	18.11	18.61
67 ONSLOW	3	2.59	41	8.00	17.52
68 ORANGE	5	7.26	33	9.73	13.72
69 PAMLICO	0	0.00	5	10.55	11.29
70 PASQUOTANK	4	13.89	18	12.85	12.43
71 PENDEK	3	13.89	17	16.52	14.26
72 PERQUIMANS	1	11.45	5	11.84	9.82
73 PERSON	2	7.34	21	15.57	15.07
74 PITT	10	12.52	57	14.67	14.67
75 POLK	1	7.75	4	6.34	5.60
76 RANDOLPH	7	8.41	34	8.26	7.58
77 RICHMOND	3	7.18	32	15.60	14.43
78 ROBESON	10	10.68	55	11.94	15.01
79 ROCKINGHAM	16	21.23	68	17.78	17.07
80 ROWAN	16	17.15	73	15.78	14.18
81 RUTHERFORD	9	17.62	19	7.55	8.25
82 SAMPSON	4	8.18	23	9.63	9.38
83 SCOTLAND	8	26.92	26	17.74	18.97
84 STANLY	3	6.67	18	8.04	6.17
85 STOKES	2	6.85	12	8.53	7.88
86 SURRY	2	3.59	26	9.49	10.71
87 SWAIN	0	0.00	3	6.13	4.79
88 TRANSYLVANIA	4	18.20	11	10.44	12.58
89 TYRRELL	1	26.37	4	20.88	16.02
90 UNION	3	4.72	24	7.74	8.90
91 VANCE	5	14.46	39	23.20	20.08
92 WAKE	37	13.46	173	13.13	14.62
93 WARREN	0	0.00	13	15.60	12.23
94 WASHINGTON	2	13.35	11	15.39	14.43
95 WATAUGA	1	3.48	5	3.54	3.53
96 WAYNE	12	13.18	63	14.02	14.65
97 WILKES	7	12.72	18	6.67	5.34
98 WILSON	17	27.72	79	26.40	23.44
99 YADKIN	4	14.81	12	8.99	13.41
100 YANCEY	0	0.00	3	4.31	2.96

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

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CIRRHOSIS OF THE LIVER

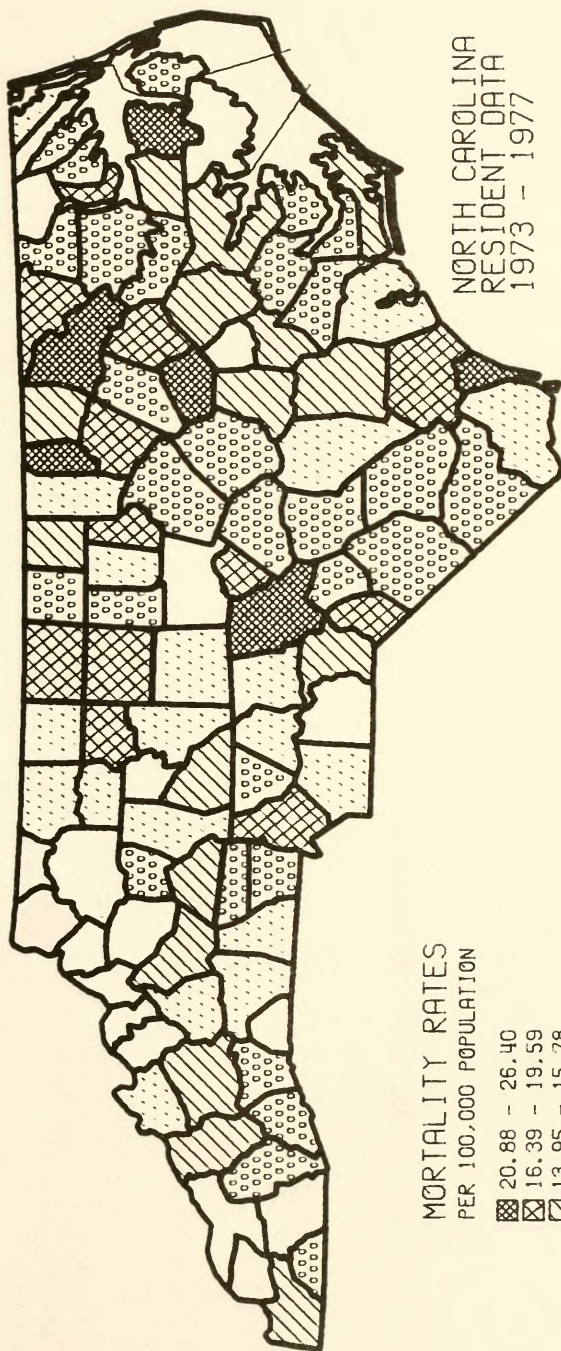


FIGURE 22.A

CIRRHOSIS OF THE LIVER

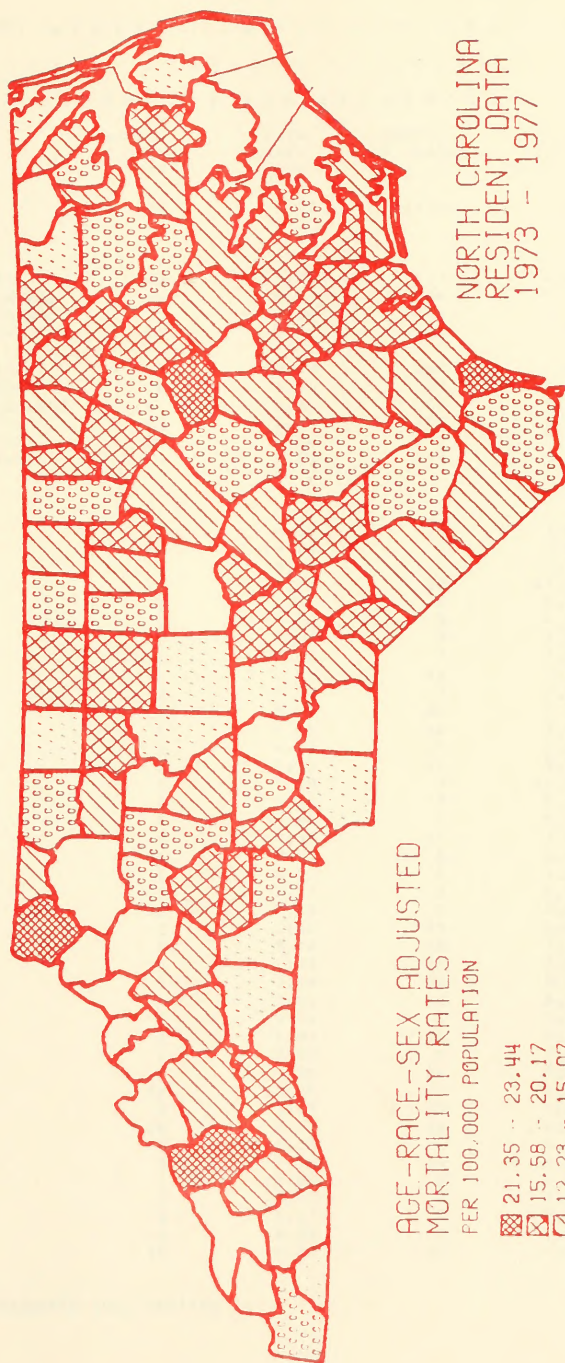


FIGURE 22.B

TABLE 23

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

NEPHRITIS AND NEPHROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	309	5.59	1296	4.77	4.77
REGIONS					
DHR I WESTERN	104	5.54	417	4.49	5.17
DHR II N. CENTRAL	66	5.56	264	4.49	4.51
DHR III S. CENTRAL	71	5.66	314	5.13	5.22
DHR IV EASTERN	68	5.61	301	5.13	4.47
HSA I WESTERN	42	4.43	160	3.42	3.86
HSA II PIEDMONT	56	5.35	227	4.38	4.75
HSA III S. PIEDMONT	62	6.66	257	5.57	6.19
HSA IV CAPITAL	41	5.41	176	4.76	4.58
HSA V CARDINAL	55	6.56	231	5.62	5.58
HSA VI EASTERN	53	5.26	245	5.03	4.35
COUNTIES					
1 ALAMANCE	5	5.05	19	3.82	4.14
2 ALEXANDER	1	4.50	4	3.66	3.16
3 ALLEGHANY	0	0.00	0	0.00	0.00
4 ANSON	4	16.75	12	10.03	5.46
5 ASHE	0	0.00	0	0.00	0.00
6 AVERY	1	7.20	3	4.30	2.80
7 BEAUFORT	2	5.06	7	3.68	2.77
8 BERTIE	0	0.00	3	2.87	2.07
9 BLADEN	1	3.40	10	7.01	5.65
10 BRUNSWICK	0	0.00	9	5.56	6.75
11 BUNCOMBE	6	3.96	28	3.72	3.97
12 BURKE	4	6.26	11	3.41	4.11
13 CABARRUS	5	6.32	25	6.38	6.45
14 CALDWELL	2	3.30	12	3.99	4.61
15 CAMDEN	1	17.50	3	10.46	6.96
16 CARTERET	0	0.00	9	5.05	4.67
17 CASWELL	2	10.36	9	9.19	7.66
18 CATAWBA	5	4.99	17	3.44	4.33
19 CHATHAM	1	3.27	6	3.98	3.46
20 CHEROKEE	0	0.00	4	4.67	3.02
21 CHOWAN	1	8.57	3	5.34	2.20
22 CLAY	0	0.00	0	0.00	0.00
23 CLEVELAND	3	3.85	11	2.83	3.25
24 COLUMBUS	5	9.78	18	7.14	6.65
25 CRAVEN	6	8.73	24	7.09	7.55
26 CUMBERLAND	7	3.02	33	2.90	4.43
27 CURRITUCK	0	0.00	0	0.00	0.00
28 DARE	0	0.00	1	2.18	1.53
29 DAVIDSON	3	2.93	16	3.17	3.82
30 DAVIE	0	0.00	4	3.80	4.72
31 DUFLIN	2	4.96	10	5.04	4.40
32 DURHAM	12	8.36	52	7.37	5.71
33 EDGEcombe	2	3.65	13	4.83	4.59
34 FORSYTH	19	8.33	68	6.02	5.97
35 FRANKLIN	1	3.53	6	4.27	3.68
36 GASTON	7	4.46	36	4.62	5.44
37 GATES	1	12.04	2	4.81	4.38
38 GRAHAM	0	0.00	0	0.00	0.00
39 GRANVILLE	3	9.15	9	5.47	4.61
40 GREENE	0	0.00	2	2.67	2.08
41 GUILFORD	13	4.27	61	4.05	4.32

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
NEPHRITIS AND NEPHROSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE* 1973-77
42 HALIFAX	4	7.15	15	5.45	3.71
43 HARNETT	1	1.80	5	1.86	1.88
44 HAYWOOD	2	4.56	10	4.59	8.29
45 HENDERSON	2	3.92	9	3.70	3.60
46 HERTFORD	1	4.12	11	9.24	3.71
47 HOKE	2	10.78	4	4.56	5.81
48 HYDE	1	17.39	4	14.42	11.54
49 IREDELL	4	5.09	19	4.90	4.80
50 JACKSON	2	8.01	2	1.63	1.25
51 JOHNSTON	3	4.57	15	4.62	4.54
52 JONES	0	0.00	2	4.17	4.16
53 LEE	4	11.63	12	7.19	7.35
54 LENDIR	2	3.35	14	4.76	4.12
55 LINCOLN	3	7.93	10	5.41	5.75
56 MCCODWELL	0	0.00	8	4.66	6.18
57 MACON	1	5.30	3	3.34	1.51
58 MADISON	1	5.80	3	3.58	1.83
59 MARTIN	5	19.55	10	7.99	4.84
60 MECKLENBURG	36	9.56	127	6.78	7.71
61 MITCHELL	5	35.76	6	8.64	126.09
62 MONTGOMERY	3	15.63	7	7.17	5.98
63 MOORE	1	2.29	12	5.66	4.60
64 NASH	6	8.97	23	7.12	6.23
65 NEW HANOVER	7	7.18	21	4.41	4.05
66 NORTHAMPTON	2	8.54	7	6.03	4.22
67 ONSLOW	0	0.00	8	1.56	4.00
68 ORANGE	0	0.00	5	1.47	2.02
69 PAMLICO	0	0.00	1	2.11	1.20
70 PASQUOTANK	3	10.41	11	7.85	5.46
71 PENDER	3	13.89	8	7.77	4.64
72 PERQUIMANS	0	0.00	3	7.10	6.26
73 PERSON	3	11.01	4	2.96	3.06
74 PITT	4	5.01	17	4.37	3.69
75 POLK	0	0.00	0	0.00	0.00
76 RANDOLPH	3	3.60	7	1.70	2.30
77 RICHMOND	6	14.37	23	11.21	9.74
78 ROBESON	8	8.95	32	6.94	4.87
79 ROCKINGHAM	5	6.63	21	5.49	5.18
80 ROWAN	1	1.07	11	2.37	2.15
81 RUTHERFORD	2	3.91	10	3.97	3.91
82 SAMPSON	3	6.13	23	9.63	8.12
83 SCOTLAND	4	13.46	14	9.55	8.72
84 STANLY	5	11.12	17	7.59	7.07
85 STOKES	1	3.42	4	2.84	3.89
86 SURRY	3	5.39	12	4.38	3.18
87 SWAIN	0	0.00	0	0.00	0.00
88 TRANSYLVANIA	1	4.55	3	2.84	10.05
89 TYRRELL	0	0.00	1	5.22	2.28
90 UNION	1	1.57	12	3.87	4.36
91 VANCE	0	0.00	10	5.95	6.22
92 WAKE	11	4.00	49	3.72	4.28
93 WARREN	3	17.64	8	9.60	5.90
94 WASHINGTON	2	13.35	5	6.99	7.49
95 WATAUGA	0	0.00	4	2.83	2.28
96 WAYNE	8	8.78	22	4.89	4.72
97 WILKES	4	7.27	7	2.59	2.02
98 WILSON	0	0.00	14	4.67	3.43
99 YADKIN	2	7.40	6	4.49	2.85
100 YANCEY	0	0.00	5	7.18	4.93

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

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NEPHRITIS AND NEPHROSIS

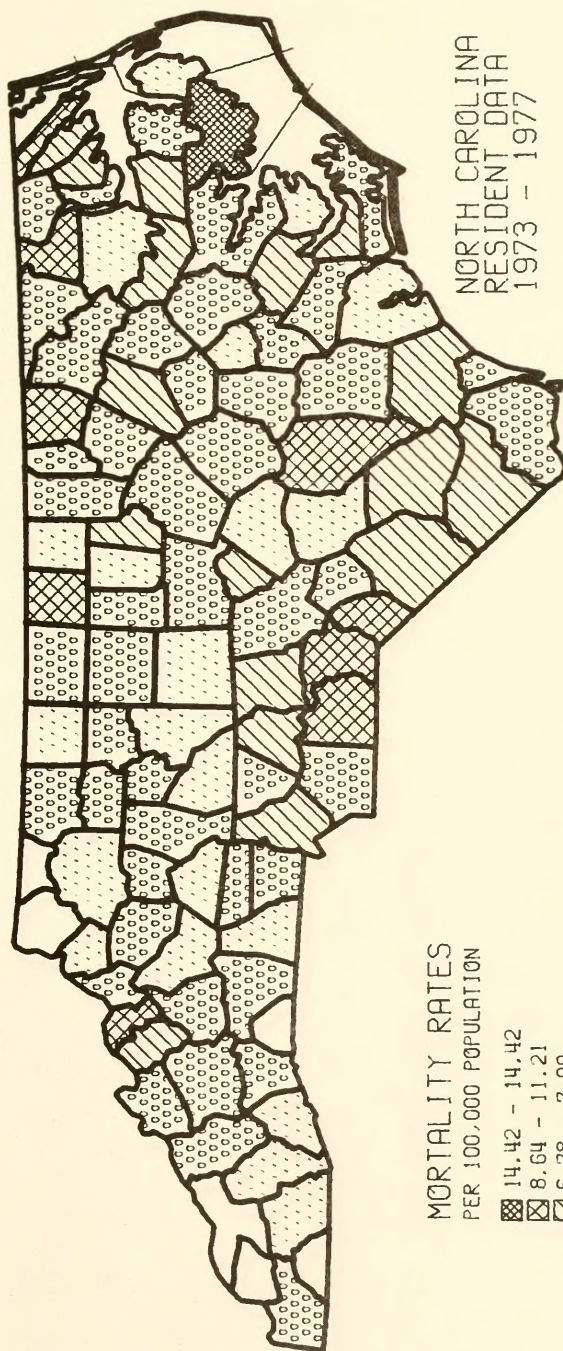


FIGURE 23.A

NEPHRITIS AND NEPHROSIS

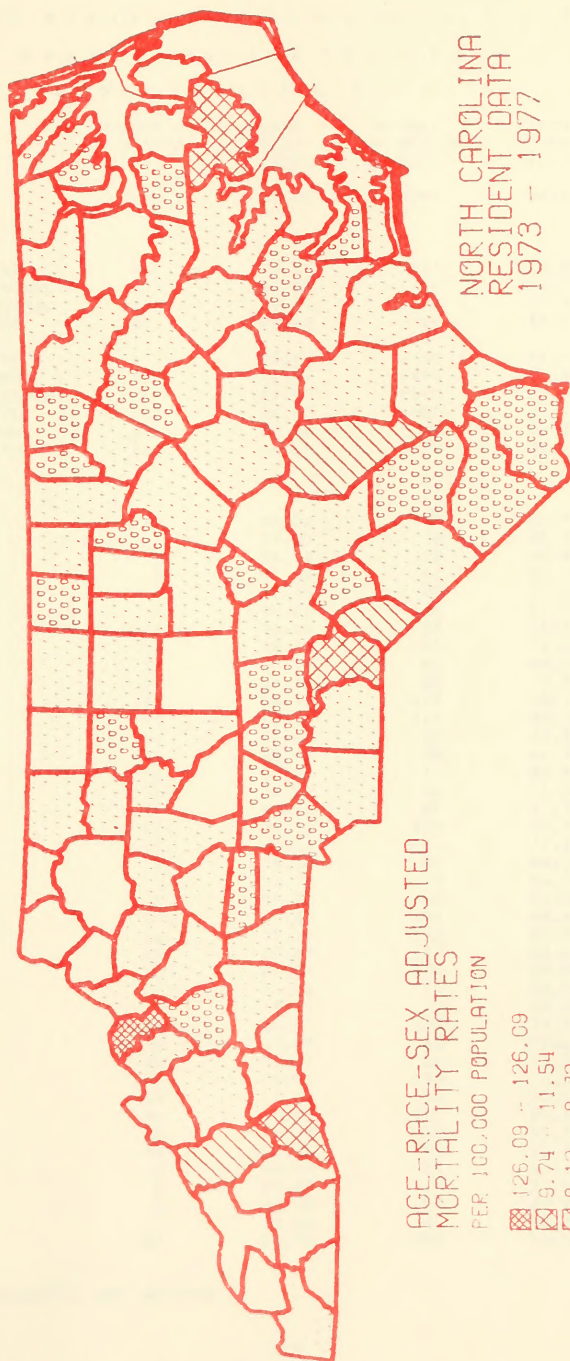


FIGURE 23.B

TABLE 24

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

MOTOR VEHICLE ACCIDENTS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	1440	26.06	8031	29.60	29.60
REGIONS					
DHR I WESTERN	448	23.86	2413	25.99	27.15
DHR II N. CENTRAL	273	23.03	1576	26.86	27.83
DHR III S. CENTRAL	368	29.37	2018	32.98	31.08
DHR IV EASTERN	351	29.00	2024	34.52	32.69
HSA I WESTERN	245	25.88	1335	28.58	29.72
HSA II PIEDMONT	227	21.71	1316	25.42	26.47
HSA III S. PIEDMONT	203	21.81	1078	23.37	24.55
HSA IV CAPITAL	197	26.00	1022	27.67	27.14
HSA V CARDINAL	279	33.28	1590	38.70	35.69
HSA VI EASTERN	289	28.69	1690	34.69	32.57
COUNTIES					
1 ALAMANCE	20	20.20	119	23.97	25.78
2 ALEXANDER	6	27.00	34	31.15	36.80
3 ALLEGHANY	5	56.74	22	50.39	58.76
4 ANSON	9	37.68	48	40.12	31.66
5 ASHE	6	29.53	21	20.92	16.66
6 AVERY	3	21.61	14	20.11	15.28
7 BEAUFORT	21	53.18	80	42.05	44.84
8 BERTIE	9	42.25	43	41.24	38.62
9 BLADEN	16	54.47	80	56.09	52.32
10 BRUNSWICK	12	36.38	65	40.16	40.01
11 BUNCOMBE	28	18.52	179	23.79	24.00
12 BURKE	9	14.10	114	35.34	36.47
13 CABARRUS	10	12.64	80	20.44	20.61
14 CALDWELL	18	29.78	96	31.92	30.03
15 CAMDEN	2	35.01	11	38.36	35.28
16 CARTERET	6	21.57	56	31.46	32.63
17 CASWELL	9	46.62	37	37.78	33.32
18 CATAWBA	21	20.99	125	25.33	26.41
19 CHATHAM	17	55.66	56	37.16	36.77
20 CHEROKEE	6	34.18	31	36.24	61.14
21 CHOWAN	3	25.71	15	26.72	26.97
22 CLAY	2	35.70	6	21.84	17.89
23 CLEVELAND	31	39.83	124	32.00	33.45
24 COLUMBUS	20	39.13	112	44.43	44.27
25 CRAVEN	21	30.57	119	35.17	33.76
26 CUMBERLAND	61	26.37	325	28.60	26.16
27 CURRITUCK	5	49.76	19	38.95	39.03
28 DARE	1	9.75	17	37.06	50.24
29 DAVIDSON	19	18.57	139	27.57	29.85
30 DAVIE	3	13.47	28	26.63	30.30
31 DUPLIN	17	42.19	86	43.36	43.97
32 DURHAM	30	20.90	133	18.87	19.04
33 EDGEcombe	17	31.10	96	35.68	42.78
34 FORSYTH	40	17.54	271	24.01	24.51
35 FRANKLIN	10	35.38	62	44.20	39.72
36 GASTON	34	21.66	171	21.95	24.10
37 GATES	5	60.24	25	60.13	48.31
38 GRAHAM	1	14.67	9	27.45	52.38
39 GRANVILLE	9	27.46	46	27.97	29.07
40 GREENE	7	47.08	37	49.41	51.42
41 GUILFORD	57	18.72	294	19.56	20.46

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

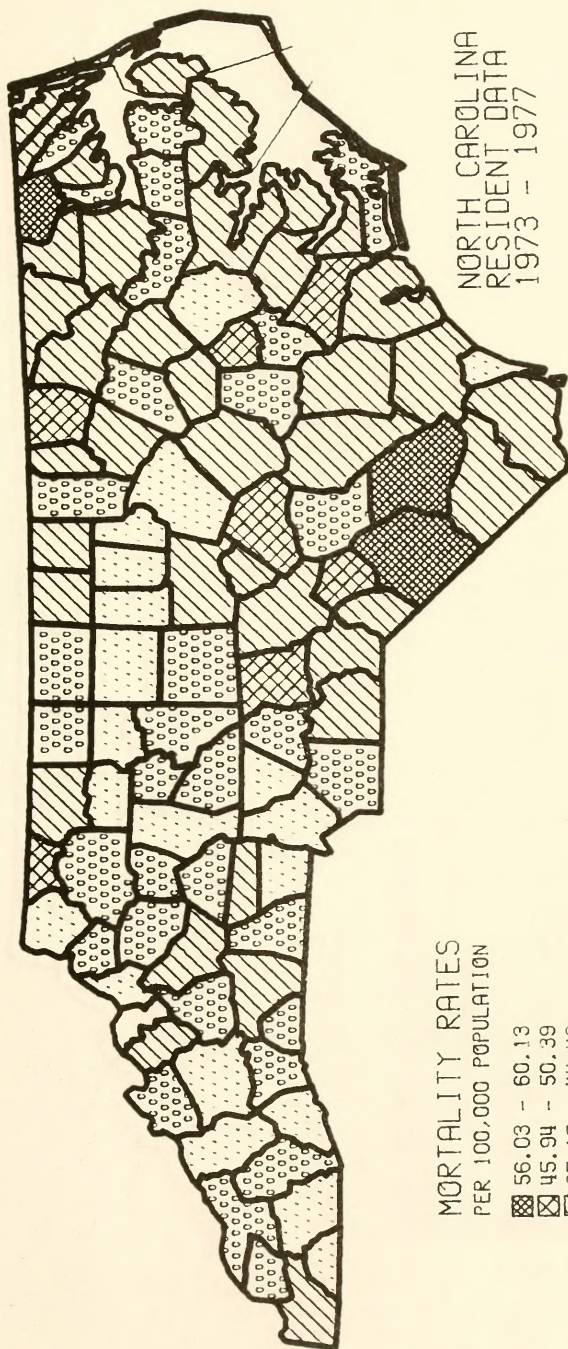
MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
MOTOR VEHICLE ACCIDENTS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	20	35.78	108	39.25	37.13
43 HARNETT	22	39.77	131	48.76	49.12
44 HAYWOOD	12	27.37	52	23.91	19.73
45 HENDERSON	8	15.68	63	25.96	22.71
46 HERTFORD	12	49.49	50	42.04	31.58
47 HOKE	5	26.97	43	49.02	45.49
48 HYDE	2	34.79	12	43.27	44.29
49 IREDELL	18	22.93	82	21.16	22.81
50 JACKSON	8	32.07	36	29.44	30.61
51 JOHNSTON	19	28.96	125	38.57	39.51
52 JONES	3	31.65	22	45.94	44.30
53 LEE	10	29.07	73	43.74	44.94
54 LENOIR	16	26.85	81	27.55	30.21
55 LINCOLN	14	37.04	72	38.95	41.00
56 MCDOWELL	6	17.76	44	25.65	26.07
57 MACON	3	15.91	21	23.43	20.61
58 MADISON	2	11.61	26	31.07	23.87
59 MARTIN	5	19.55	40	31.99	31.34
60 MECKLENBURG	76	20.18	384	20.50	21.70
61 MITCHELL	1	7.15	9	12.97	11.78
62 MONTGOMERY	13	67.75	46	47.14	48.88
63 MOORE	15	34.40	82	38.68	39.26
64 NASH	20	29.92	107	33.14	33.98
65 NEW HANOVER	21	21.55	115	24.17	25.00
66 NORTHAMPTON	9	38.43	44	37.95	26.03
67 ONSLOW	37	31.96	204	39.80	32.25
68 ORANGE	13	18.90	74	21.83	21.96
69 PAMLICO	6	61.07	18	37.99	42.73
70 PASQUOTANK	8	27.78	35	25.00	25.13
71 PENDER	9	41.69	42	40.82	36.59
72 PERQUIMANS	2	22.90	17	40.26	32.87
73 PERSON	10	36.70	53	39.29	42.30
74 PITT	9	11.27	89	22.91	22.78
75 POLK	3	23.26	16	25.36	20.84
76 RANDOLPH	18	21.63	116	28.20	27.47
77 RICHMOND	15	35.92	79	38.52	37.78
78 ROBESON	39	41.68	258	56.03	47.05
79 ROCKINGHAM	22	29.20	119	31.11	32.75
80 ROWAN	24	25.73	128	27.67	28.58
81 RUTHERFORD	26	50.91	101	40.17	43.37
82 SAMPSON	17	34.77	105	43.96	43.43
83 SCOTLAND	5	16.82	59	40.26	42.76
84 STANLY	14	31.14	63	28.14	29.23
85 STOKES	7	23.98	47	33.44	33.38
86 SURRY	25	44.98	119	43.46	48.67
87 SWAIN	4	38.63	16	32.70	31.17
88 TRANSYLVANIA	9	40.97	19	18.03	15.01
89 TYRRELL	0	0.00	6	31.32	33.01
90 UNION	13	20.46	98	31.64	32.14
91 VANCE	2	5.78	60	35.70	38.61
92 WAKE	62	22.56	301	22.85	22.34
93 WARREN	15	88.21	39	46.82	41.11
94 WASHINGTON	2	13.35	19	26.59	24.77
95 WATAUGA	6	20.90	39	27.65	19.97
96 WAYNE	12	13.18	116	25.82	25.76
97 WILKES	20	36.35	91	33.74	32.10
98 WILSON	10	16.31	118	39.44	37.81
99 YADKIN	7	25.92	27	20.24	16.20
100 YANCEY	1	6.93	27	38.81	32.30

*SEE SECTION I
+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

MOTOR VEHICLE ACCIDENTS



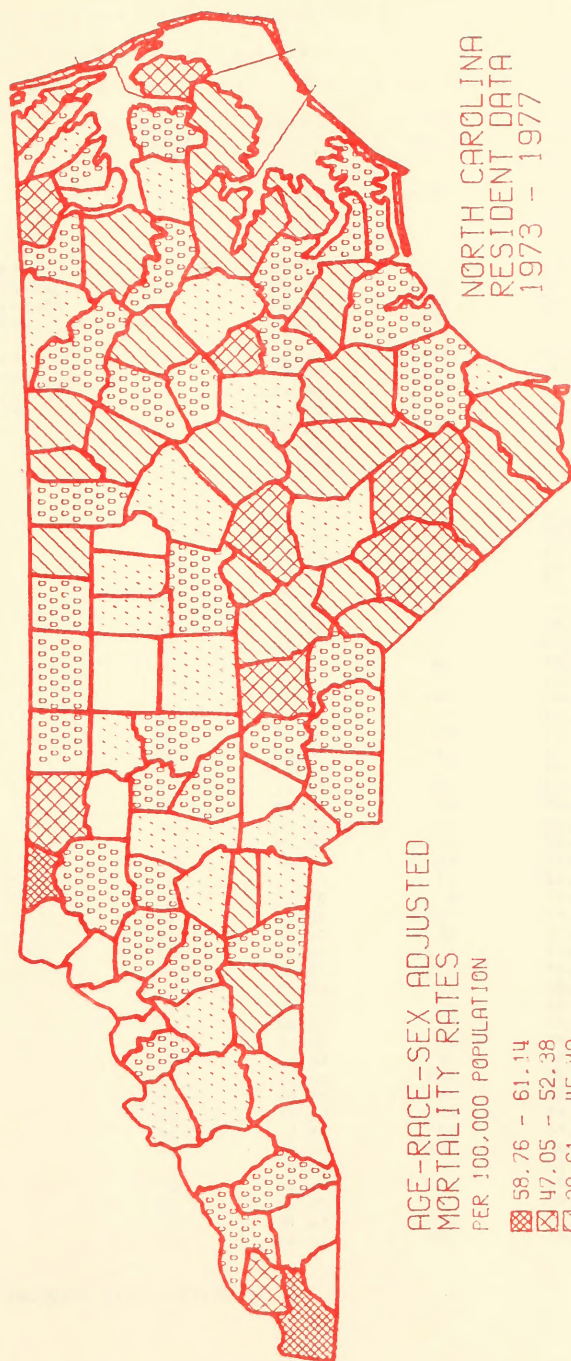
NORTH CAROLINA
RESIDENT DATA
1973 - 1977

FIGURE 24.A

MORTALITY RATES
PER 100,000 POPULATION

- 56.03 - 60.13
- 45.94 - 50.39
- 35.17 - 44.43
- 25.00 - 33.74
- 18.03 - 24.17
- 12.97 - 18.03

MOTOR VEHICLE ACCIDENTS



AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION

- 58.76 - 61.14
- ▨ 47.05 - 52.38
- ▧ 38.61 - 45.49
- ▦ 28.58 - 37.81
- ▤ 21.70 - 27.47
- 11.78 - 20.84

FIGURE 24.B

TABLE 25

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

ACCIDENTS EXCLUDING MOTOR VEHICLES

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	1663	30.09	8308	30.62	30.62
REGIONS					
DHR I WESTERN	553	29.46	2696	29.04	29.92
DHR II N. CENTRAL	353	29.78	1600	27.27	27.52
DHR III S. CENTRAL	345	27.54	1880	30.73	30.84
DHR IV EASTERN	412	34.04	2132	36.36	34.70
HSA I WESTERN	306	32.33	1495	32.01	33.82
HSA II PIEDMONT	293	28.02	1337	25.83	26.60
HSA III S. PIEDMONT	247	26.54	1201	26.04	27.00
HSA IV CAPITAL	202	26.66	1093	29.59	29.45
HSA V CARDINAL	277	33.05	1430	34.81	33.98
HSA VI EASTERN	338	33.55	1752	35.97	34.10
COUNTIES					
1 ALAMANCE	21	21.22	132	26.59	27.00
2 ALEXANDER	3	13.50	25	22.90	41.60
3 ALLEGHANY	2	22.69	20	45.81	37.97
4 ANSON	3	12.56	42	35.10	27.02
5 ASHE	11	54.14	37	36.86	26.08
6 AVERY	3	21.61	28	40.22	30.76
7 BEAUFORT	11	27.86	75	39.43	37.10
8 BERTIE	13	61.02	41	39.32	23.87
9 BLADEN	9	30.64	64	44.87	42.36
10 BRUNSWICK	7	21.22	73	45.10	44.90
11 BUNCOMBE	52	34.40	269	35.76	32.97
12 BURKE	28	43.88	97	30.07	32.63
13 CABARRUS	26	32.88	99	25.30	25.75
14 CALDWELL	10	16.54	88	29.26	33.64
15 CAMDEN	6	105.04	9	31.39	29.33
16 CARTERET	7	18.87	62	34.84	35.46
17 CASWELL	8	41.44	28	28.59	26.59
18 CATAWBA	30	29.98	119	24.11	29.90
19 CHATHAM	7	22.92	46	30.52	26.51
20 CHEROKEE	6	34.18	27	31.56	39.97
21 CHOWAN	2	17.14	19	33.85	28.92
22 CLAY	2	35.70	6	21.84	13.52
23 CLEVELAND	22	28.26	116	29.93	31.67
24 COLUMBUS	21	41.09	98	38.88	37.77
25 CRAVEN	16	23.29	128	37.83	38.71
26 CUMBERLAND	62	26.81	298	26.22	29.98
27 CURRITUCK	2	19.90	19	38.95	39.55
28 DARE	2	19.50	14	30.52	26.09
29 DAVIDSON	27	26.39	118	23.41	25.90
30 DAVIE	7	31.44	26	24.73	26.81
31 DUPLIN	9	22.33	69	34.79	30.92
32 DURHAM	34	23.68	211	29.93	29.12
33 EDGEcombe	22	40.25	123	45.72	44.54
34 FORSYTH	55	24.12	276	24.46	25.26
35 FRANKLIN	12	42.45	56	39.92	32.03
36 GASTON	41	26.12	203	26.06	26.44
37 GATES	0	0.00	9	21.64	12.71
38 GRAHAM	3	44.03	13	39.65	57.33
39 GRANVILLE	11	33.57	53	32.23	29.17
40 GREENE	5	33.63	20	26.71	21.80
41 GUILFORD	88	28.91	394	26.21	26.87

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
ACCIDENTS EXCLUDING MOTOR VEHICLES CONT'D.

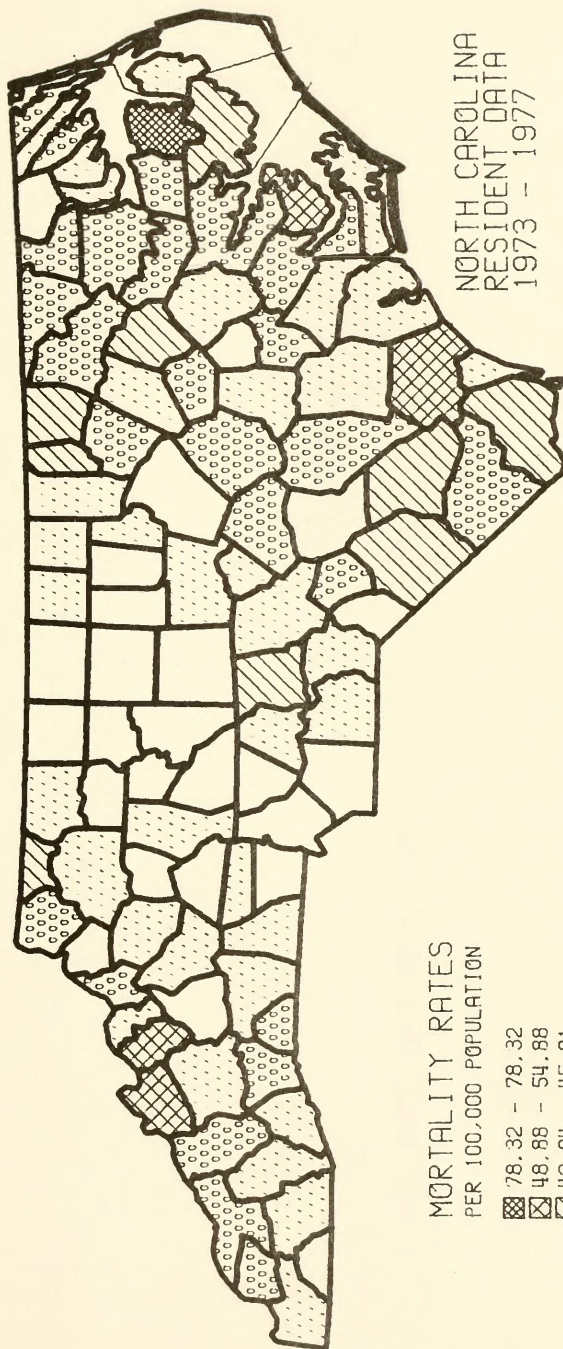
COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	19	33.99	108	39.25	34.61
43 HARNETT	21	37.96	108	40.20	40.98
44 HAYWOOD	19	43.35	79	36.32	32.28
45 HENDERSON	12	23.53	101	41.62	45.02
46 HERTFORD	12	49.49	44	36.99	31.50
47 HOKE	8	43.15	32	36.48	35.93
48 HYDE	5	86.98	12	43.27	29.52
49 IREDELL	19	24.20	111	28.64	28.66
50 JACKSON	8	32.07	35	28.63	32.38
51 JOHNSTON	28	42.69	122	37.64	38.36
52 JONES	4	42.21	14	29.23	31.83
53 LEE	4	11.63	51	30.56	30.06
54 LENOIR	25	41.96	113	38.44	35.76
55 LINCOLN	9	23.81	55	29.75	34.43
56 MCDOWELL	8	23.69	42	24.49	26.56
57 MACON	5	26.52	25	27.89	16.86
58 MADISON	7	40.66	42	50.19	89.84
59 MARTIN	3	11.73	48	38.39	36.27
60 MECKLENBURG	96	25.49	473	25.26	27.01
61 MITCHELL	2	14.30	19	27.38	18.33
62 MONTGOMERY	11	57.33	43	44.07	40.12
63 MOORE	12	27.52	69	32.55	30.71
64 NASH	23	34.41	108	33.45	30.92
65 NEW HANOVER	34	34.90	157	33.00	34.26
66 NORTHAMPTON	7	29.89	44	37.95	28.60
67 ONSLOW	29	25.05	156	30.44	42.44
68 ORANGE	17	24.71	84	24.78	29.53
69 PAMLICO	6	61.07	26	54.88	56.50
70 PASQUOTANK	11	38.20	57	40.72	36.63
71 PENDER	12	55.58	52	50.55	47.31
72 PERQUIMANS	3	34.35	12	28.42	24.15
73 PERSON	7	25.69	45	33.36	30.59
74 PITT	27	33.81	133	34.25	33.06
75 POLK	7	54.28	25	39.63	28.58
76 RANDOLPH	24	28.84	110	26.74	30.66
77 RICHMOND	14	33.53	63	30.72	29.15
78 ROBESON	45	48.10	200	43.43	37.34
79 ROCKINGHAM	28	37.16	99	25.88	25.84
80 ROWAN	24	25.73	108	23.34	22.60
81 RUTHERFORD	15	29.37	78	31.02	37.93
82 SAMPSON	14	28.63	92	38.52	36.21
83 SCOTLAND	4	13.46	39	26.61	24.19
84 STANLY	13	28.92	73	32.61	31.76
85 STOKES	6	20.55	36	25.61	23.78
86 SURRY	21	37.78	83	30.31	34.01
87 SWAIN	7	67.60	20	40.88	38.20
88 TRANSYLVANIA	7	31.86	32	30.37	36.45
89 TYRRELL	4	105.51	15	78.32	68.26
90 UNION	19	29.90	79	25.50	27.64
91 VANCE	21	60.76	72	42.84	38.78
92 WAKE	52	18.92	316	23.99	26.71
93 WARREN	9	52.92	37	44.41	31.81
94 WASHINGTON	2	13.35	27	37.78	33.86
95 WATAUGA	12	41.81	36	25.52	30.15
96 WAYNE	40	43.94	137	30.49	30.39
97 WILKES	15	27.26	82	30.40	30.77
98 WILSON	23	37.51	110	36.77	33.13
99 YADKIN	8	29.63	35	26.24	30.92
100 YANCEY	10	69.38	34	48.88	32.42

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

ACCIDENTS EXCLUDING MOTOR VEHICLES

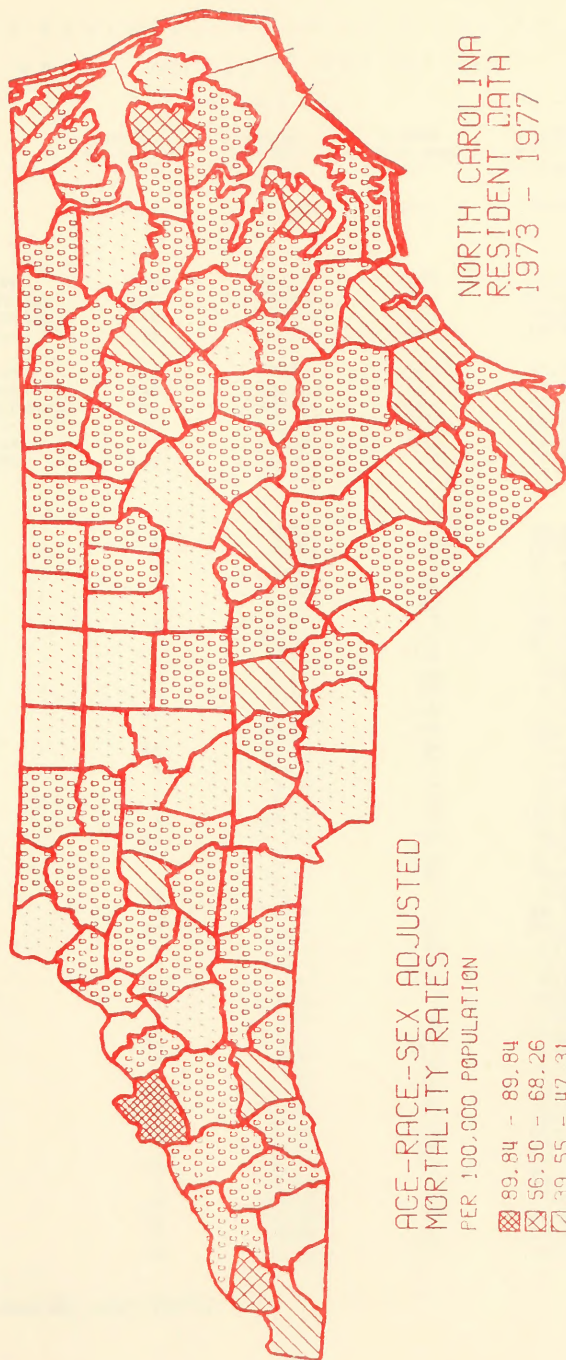


MORTALITY RATES
PER 100,000 POPULATION

- 78.32 - 78.32
- 48.88 - 54.88
- 42.84 - 45.81
- 36.32 - 41.62
- 27.38 - 35.76
- 21.64 - 26.74

FIGURE 25.A

ACCIDENTS EXCLUDING MOTOR VEHICLES



AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION

- 89.84 - 89.84
- 56.50 - 68.26
- 39.55 - 47.31
- 28.58 - 38.78
- 21.80 - 27.64
- 12.71 - 18.33

FIGURE 25.B

TABLE 26

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

SUICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	732	13.24	3543	13.06	13.06
REGIONS					
DHR I WESTERN	266	14.17	1256	13.53	12.63
DHR II N. CENTRAL	161	13.58	841	14.33	14.06
DHR III S. CENTRAL	160	12.77	755	12.34	13.51
DHR IV EASTERN	145	11.98	691	11.78	13.03
HSA I WESTERN	145	15.32	670	14.34	13.34
HSA II PIEDMONT	136	13.00	727	14.04	13.54
HSA III S. PIEDMONT	121	13.00	586	12.70	12.33
HSA IV CAPITAL	115	15.18	530	14.35	15.18
HSA V CARDINAL	97	11.57	465	11.32	12.69
HSA VI EASTERN	118	11.71	565	11.60	12.96
COUNTIES					
1 ALAMANCE	6	6.06	66	13.29	12.85
2 ALEXANDER	3	13.50	14	12.82	11.22
3 ALLEGHANY	0	0.00	7	16.03	35.90
4 ANSON	1	4.18	14	11.70	13.56
5 ASHE	7	34.45	25	24.91	20.32
6 AVERY	1	7.20	9	12.92	9.98
7 BEAUFORT	8	20.26	41	21.55	23.59
8 BERTIE	2	9.38	10	9.59	11.72
9 BLADEN	2	6.80	14	9.81	12.41
10 BRUNSWICK	3	9.09	25	15.44	15.93
11 BUNCOMBE	34	22.49	135	17.94	15.82
12 BURKE	7	10.97	46	14.26	13.49
13 CABARRUS	12	15.17	58	14.82	14.20
14 CALDWELL	9	14.89	40	13.30	12.90
15 CAMDEN	1	17.50	2	6.97	10.76
16 CARTERET	3	8.08	22	12.36	10.80
17 CASHWELL	3	15.54	17	17.36	21.79
18 CATAWBA	12	11.99	44	8.91	8.19
19 CHATHAM	1	3.27	25	16.59	16.23
20 CHEROKEE	2	11.39	11	12.85	8.19
21 CHOWAN	0	0.00	5	8.90	10.32
22 CLAY	3	53.56	7	25.48	18.75
23 CLEVELAND	12	15.41	50	12.90	12.83
24 COLUMBUS	4	7.82	27	10.71	11.21
25 CRAVEN	7	10.19	32	9.45	11.19
26 CUMBERLAND	23	9.94	109	9.59	10.82
27 CURRITUCK	2	19.90	7	14.35	14.83
28 DARE	1	9.75	1	2.18	1.27
29 DAVIDSON	17	16.61	64	12.69	10.97
30 DAVIE	2	8.98	10	9.51	8.04
31 DUPLIN	2	4.96	13	6.55	6.89
32 DURHAM	25	17.41	99	14.04	16.24
33 EDGEcombe	7	12.80	23	8.54	9.80
34 FORSYTH	21	9.21	154	13.64	13.92
35 FRANKLIN	7	24.76	21	14.97	15.77
36 GASTON	16	10.19	78	10.01	9.81
37 GATES	0	0.00	5	12.02	17.09
38 GRAHAM	4	58.71	5	15.25	14.28
39 GRANVILLE	10	30.52	34	20.67	20.67
40 GREENE	2	13.45	11	14.69	18.56
41 GUILFORD	43	14.12	194	12.90	12.99

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
SUICIDE CONT'D.

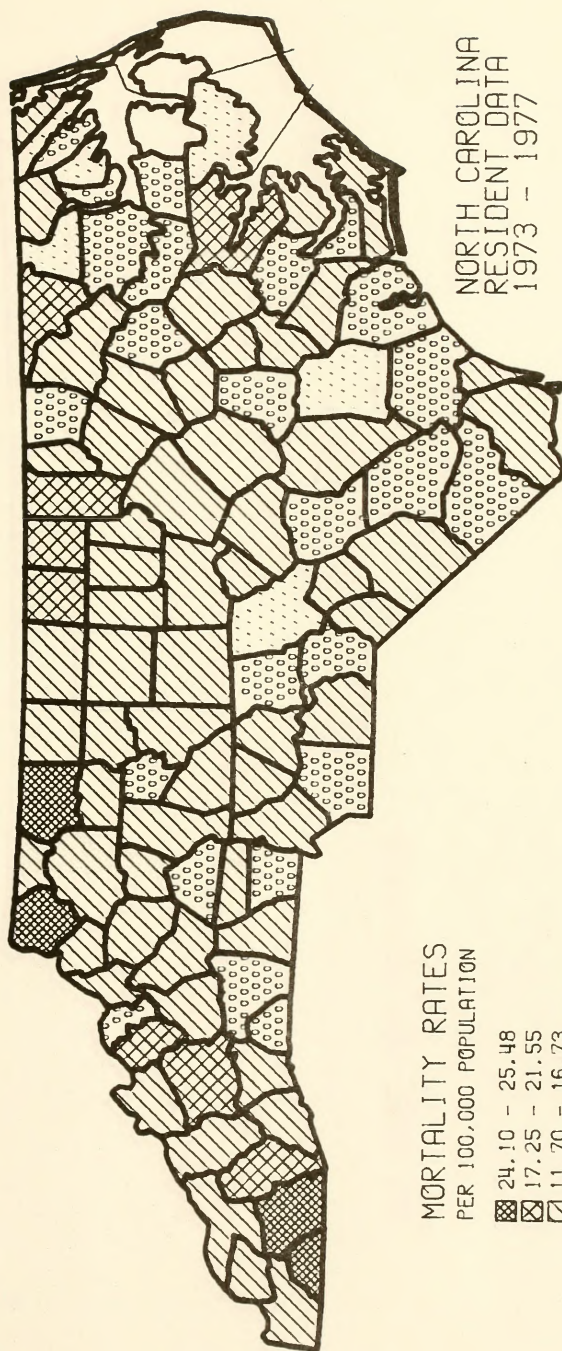
COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE* 1973-77
42 HALIFAX	8	14.31	41	14.90	17.66
43 HARNETT	10	18.08	39	14.51	14.57
44 HAYWOOD	3	6.84	27	12.41	18.83
45 HENDERSON	7	13.72	37	15.24	16.02
46 HERTFORD	1	4.12	6	5.04	4.66
47 HOKE	2	10.78	12	13.68	19.41
48 HYDE	0	0.00	2	7.21	8.33
49 IREDELL	14	17.83	57	14.71	13.53
50 JACKSON	6	24.05	23	18.81	24.74
51 JOHNSTON	14	21.34	51	15.73	15.05
52 JONES	1	10.55	7	14.61	17.56
53 LEE	4	11.63	26	15.58	16.03
54 LENOIR	8	13.42	35	11.90	13.68
55 LINCOLN	6	15.87	30	16.23	14.56
56 MCDOWELL	3	8.88	25	14.57	11.48
57 MACON	2	10.60	22	24.54	17.68
58 MADISON	1	5.80	10	11.95	9.31
59 MARTIN	0	0.00	13	10.39	13.22
60 MECKLENBURG	47	12.48	236	12.60	13.05
61 MITCHELL	1	7.15	7	10.08	7.28
62 MONTGOMERY	2	10.42	8	8.19	8.00
63 MOORE	3	6.88	13	6.13	5.88
64 NASH	10	14.96	45	13.93	14.76
65 NEW HANOVER	18	18.47	63	13.24	13.80
66 NORTHAMPTON	5	21.35	20	17.25	20.72
67 ONSLOW	12	10.36	48	9.36	11.32
68 ORANGE	12	17.44	46	13.57	15.26
69 PAMLICO	2	20.35	7	14.77	14.04
70 PASQUOTANK	2	6.94	15	10.71	12.35
71 PENDEK	2	9.26	11	10.69	12.07
72 PERQUIMANS	0	0.00	3	7.10	8.11
73 PERSON	4	14.68	27	20.02	21.01
74 PITT	16	20.04	50	12.87	15.06
75 POLK	2	15.50	5	7.92	6.91
76 RANDOLPH	8	9.61	49	11.91	9.73
77 RICHMOND	3	7.18	20	9.75	10.14
78 ROBESON	12	12.82	56	12.16	17.15
79 ROCKINGHAM	14	18.58	64	16.73	16.20
80 ROWAN	15	16.08	63	13.62	12.35
81 RUTHERFORD	2	3.91	27	10.73	9.84
82 SAMPSON	8	16.36	35	14.65	15.77
83 SCOTLAND	4	13.46	19	12.96	16.39
84 STANLY	5	11.12	30	13.40	11.99
85 STOKES	3	10.27	21	14.94	12.81
86 SURRY	13	23.38	66	24.10	20.73
87 SWAIN	3	28.97	8	16.35	15.93
88 TRANSYLVANIA	5	22.76	16	15.18	12.43
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	6	9.44	34	10.97	10.77
91 VANCE	4	11.57	24	14.28	16.67
92 WAKE	34	12.37	169	12.83	13.28
93 WARREN	0	0.00	8	9.60	14.23
94 WASHINGTON	2	13.35	7	9.79	10.60
95 WATAUGA	3	10.45	20	14.17	12.16
96 WAYNE	9	9.88	48	10.68	12.17
97 WILKES	7	12.72	38	14.08	11.34
98 WILSON	7	11.41	46	15.37	16.82
99 YADKIN	6	22.22	22	16.49	12.52
100 YANCEY	6	41.63	12	17.25	12.93

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

SUICIDE



MORTALITY RATES
PER 100,000 POPULATION

- 24.10 - 25.48
- 17.25 - 21.55
- 11.70 - 16.73
- 7.92 - 10.97
- 5.04 - 7.21
- 0.00 - 2.18

NORTH CAROLINA
RESIDENT DATA
1973 - 1977

FIGURE 26.A

SUICIDE

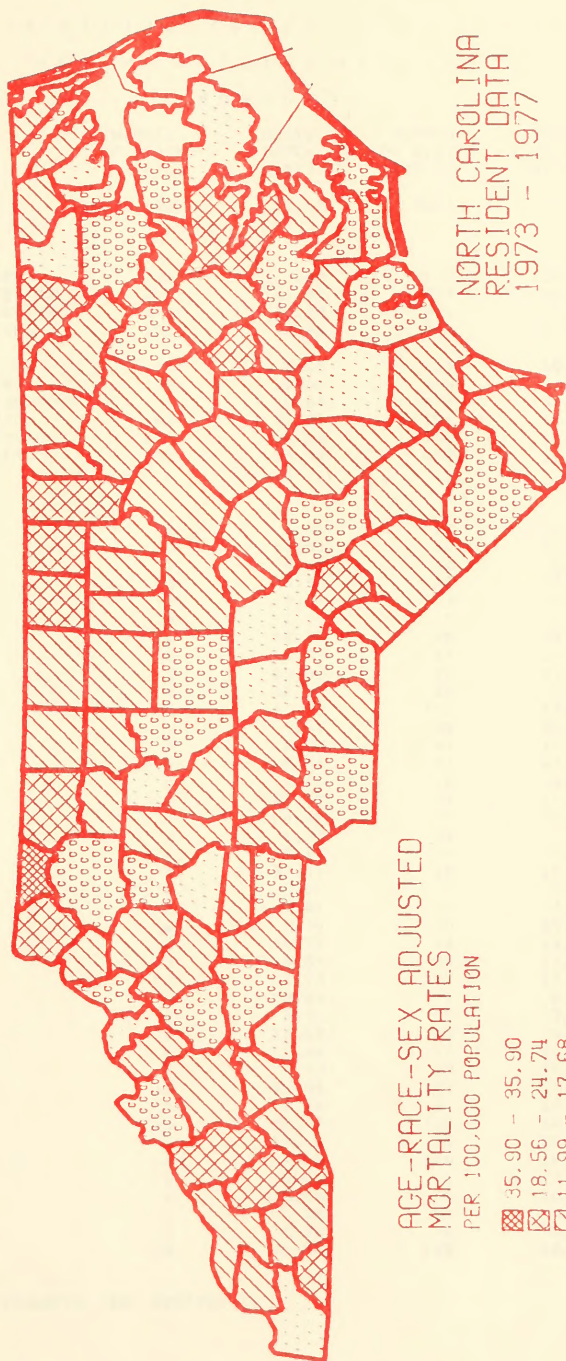


FIGURE 26.B

TABLE 27

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

HOMICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
NORTH CAROLINA	632	11.43	3681	13.56	13.56
REGIONS					
DHR I WESTERN	185	9.85	1159	12.48	16.23
DHR II N. CENTRAL	142	11.97	737	12.56	13.25
DHR III S. CENTRAL	172	13.73	984	16.08	13.93
DHR IV EASTERN	133	10.98	801	13.66	11.82
HSA I WESTERN	86	9.08	481	10.29	15.08
HSA II PIEDMONT	122	11.66	606	11.70	13.13
HSA III S. PIEDMONT	99	10.63	678	14.70	16.54
HSA IV CAPITAL	87	11.48	528	14.29	12.76
HSA V CARDINAL	137	16.34	736	17.91	15.25
HSA VI EASTERN	101	10.02	652	13.38	11.38
COUNTIES					
1 ALAMANCE	6	6.06	54	10.87	12.35
2 ALEXANDER	3	13.50	13	11.91	13.16
3 ALLEGHANY	0	0.00	3	6.87	20.86
4 ANSON	5	20.93	21	17.55	14.37
5 ASHE	2	9.84	7	6.97	5.71
6 AVERY	0	0.00	4	5.74	4.24
7 BEAUFORT	5	12.66	26	13.66	12.50
8 BERTIE	1	4.69	15	14.38	9.58
9 BLADEN	7	23.83	30	21.03	17.88
10 BRUNSWICK	4	12.12	15	9.26	9.97
11 BUNCOMBE	18	11.90	100	13.29	19.53
12 BURKE	6	9.40	35	10.85	13.65
13 CABARRUS	5	6.32	41	10.47	13.71
14 CALDWELL	11	18.20	41	13.63	17.09
15 CAMDEN	0	0.00	2	6.97	4.24
16 CARTERET	8	21.57	21	11.80	15.14
17 CASWELL	2	10.36	14	14.29	10.31
18 CATAWBA	5	4.99	36	7.29	10.52
19 CHATHAM	1	3.27	14	9.29	7.74
20 CHEROKEE	3	17.09	10	11.69	9.95
21 CHOWAN	0	0.00	3	5.34	3.23
22 CLAY	0	0.00	1	3.64	2.74
23 CLEVELAND	6	7.70	40	10.32	11.82
24 COLUMBUS	6	11.74	49	19.44	18.83
25 CRAVEN	10	14.55	39	11.52	10.79
26 CUMBERLAND	41	17.72	207	18.21	16.29
27 CURRITUCK	2	19.90	4	8.20	9.03
28 DARE	0	0.00	1	2.18	2.44
29 DAVIDSON	14	13.68	49	9.72	12.62
30 DAVIE	4	17.96	11	10.46	14.07
31 DUPLIN	4	9.92	29	14.62	12.22
32 DURHAM	15	10.45	130	18.44	15.09
33 EDGECOMBE	5	9.14	27	10.03	7.12
34 FORSYTH	29	12.72	151	13.38	13.38
35 FRANKLIN	4	14.15	36	25.66	20.43
36 GASTON	18	11.46	116	14.89	19.31
37 GATES	0	0.00	1	2.40	1.14
38 GRAHAM	0	0.00	4	12.20	9.99
39 GRANVILLE	5	15.26	35	21.28	17.59
40 GREENE	1	6.72	6	8.01	5.98
41 GUILFORD	38	12.48	185	12.30	12.31

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
HOMICIDE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77	ADJUSTED DEATH RATE+ 1973-77
42 HALIFAX	7	12.52	44	15.99	12.44
43 HARNETT	5	9.04	42	15.63	15.80
44 HAYWOOD	1	2.28	10	4.59	7.38
45 HENDERSON	5	9.80	24	9.89	22.19
46 HERTFORD	3	12.37	18	15.13	10.97
47 HOKE	5	26.97	26	29.64	17.82
48 HYDE	0	0.00	3	10.81	6.45
49 IREDELL	6	7.64	53	13.67	16.40
50 JACKSON	4	16.03	17	13.90	21.92
51 JOHNSTON	14	21.34	57	17.58	19.18
52 JONES	0	0.00	8	16.70	13.12
53 LEE	8	23.26	31	18.57	19.95
54 LENOIR	8	13.42	61	20.75	18.08
55 LINCOLN	0	0.00	26	14.06	19.98
56 MCDOWELL	2	5.92	10	5.83	9.68
57 MACON	1	5.30	4	4.46	3.30
58 MADISON	2	11.61	12	14.34	11.40
59 MARTIN	4	15.64	18	14.39	12.94
60 MECKLENBURG	61	16.20	363	19.38	18.67
61 MITCHELL	1	7.15	6	8.64	7.26
62 MONTGOMERY	1	5.21	20	20.49	20.70
63 MOORE	7	16.05	20	9.43	9.90
64 NASH	6	8.97	43	13.32	11.26
65 NEW HANOVER	20	20.53	73	15.34	15.49
66 NORTHAMPTON	2	8.54	22	18.97	9.60
67 ONSLOW	6	5.18	60	11.70	12.67
68 ORANGE	2	2.90	28	8.26	9.61
69 PAMLICO	0	0.00	4	8.44	9.10
70 PASQUOTANK	3	10.41	16	11.43	9.71
71 PENDER	2	9.26	12	11.66	9.12
72 PERQUIMANS	2	22.90	3	7.10	7.72
73 PERSON	1	3.67	20	14.83	13.20
74 PITT	7	8.76	46	11.84	10.86
75 POLK	1	7.75	4	6.34	9.09
76 RANDOLPH	10	12.01	51	12.39	19.83
77 RICHMOND	6	14.37	35	17.06	17.13
78 ROBESON	17	18.17	134	29.10	18.86
79 ROCKINGHAM	10	13.27	43	11.24	12.48
80 ROWAN	2	2.14	33	7.13	8.12
81 RUTHERFORD	7	13.70	38	15.11	22.06
82 SAMPSON	7	14.31	28	11.72	10.01
83 SCOTLAND	4	13.46	24	16.38	15.04
84 STANLY	5	11.12	22	9.82	14.81
85 STOKES	3	10.27	14	9.96	15.88
86 SURRY	3	5.39	23	8.40	20.77
87 SWAIN	2	19.31	11	22.48	19.66
88 TRANSYLVANIA	0	0.00	6	5.69	4.85
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	2	3.14	24	7.74	8.76
91 VANCE	8	23.14	27	16.06	13.60
92 WAKE	27	9.82	137	10.40	10.18
93 WARREN	2	11.76	13	15.60	7.17
94 WASHINGTON	0	0.00	2	2.79	1.77
95 WATAUGA	0	0.00	6	4.25	3.54
96 WAYNE	12	13.18	69	15.35	12.78
97 WILKES	3	5.45	32	11.86	16.65
98 WILSON	5	8.15	61	20.39	16.94
99 YADKIN	3	11.11	11	8.24	10.68
100 YANCEY	3	20.81	7	10.06	8.50

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

HOMICIDE

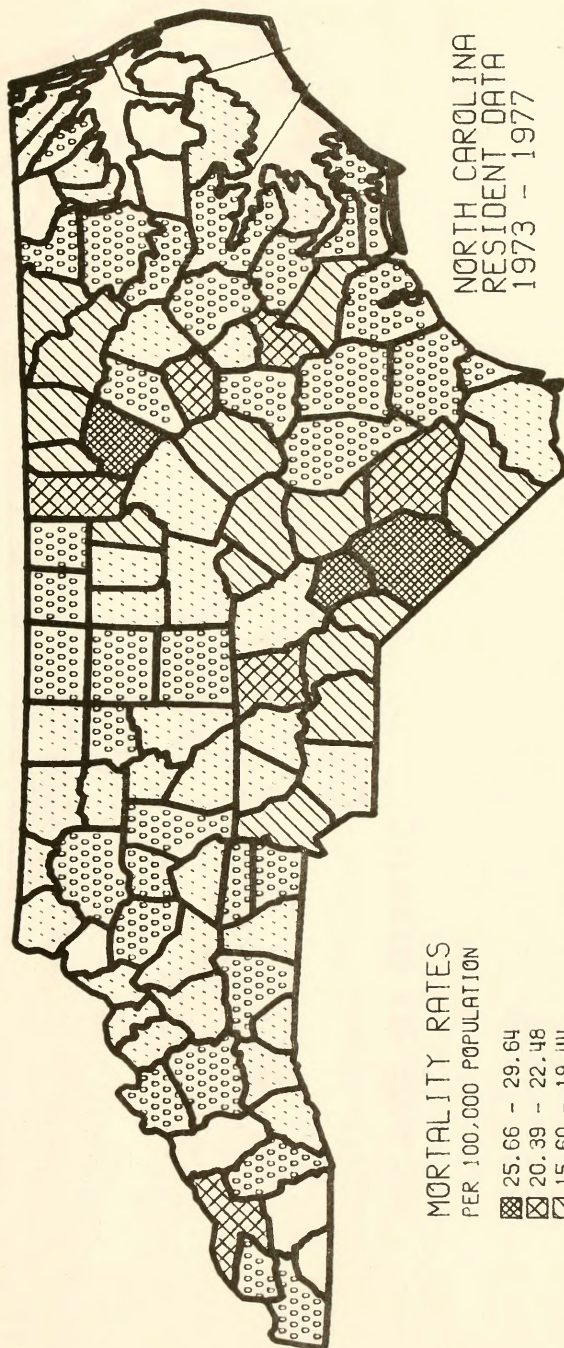
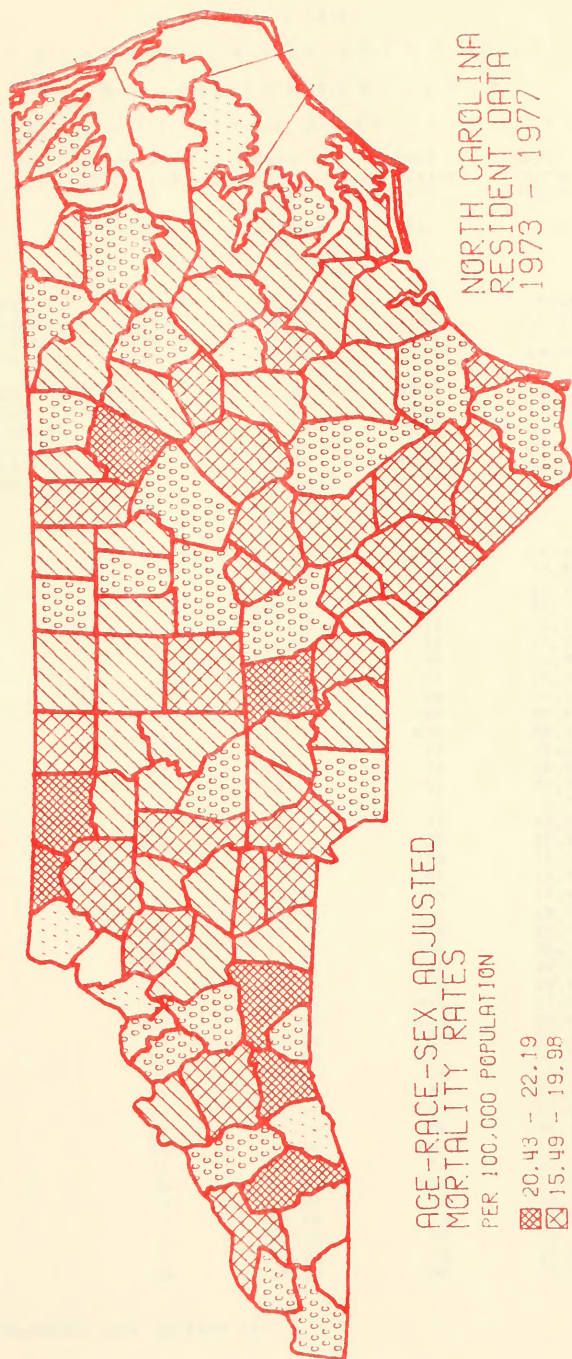


FIGURE 27.A

MORTALITY RATES
PER 100,000 POPULATION

- 25.66 - 29.64
- 20.39 - 22.48
- 15.60 - 19.44
- 11.24 - 15.35
- 5.34 - 10.87
- 0.00 - 4.59

HOMICIDE



AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION

- 20.43 - 22.19
- 15.49 - 19.98
- 10.52 - 15.14
- 7.12 - 10.31
- 4.24 - 6.45
- 0.00 - 3.54

FIGURE 27. B

TABLE 28

MORTALITY STATISTICS FOR 1977 AND 1973-1977

NORTH CAROLINA RESIDENTS

INFANT MORTALITY (PER 1000 LIVE BIRTHS)

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77
NORTH CAROLINA	1335	15.78	7767	18.67
REGIONS				
DHR I WESTERN	381	14.38	2410	18.25
DHR II N. CENTRAL	245	15.21	1442	18.01
DHR III S. CENTRAL	329	15.55	1845	17.97
DHR IV EASTERN	380	18.24	2070	20.44
HSA I WESTERN	182	13.85	1227	18.72
HSA II PIEDMONT	199	14.10	1239	17.65
HSA III S. PIEDMONT	199	14.91	1183	17.78
HSA IV CAPITAL	175	16.48	883	17.19
HSA V CARDINAL	254	16.29	1488	19.36
HSA VI EASTERN	326	18.35	1747	20.42
COUNTIES				
1 ALAMANCE	8	7.25	107	18.10
2 ALEXANDER	4	11.26	21	12.28
3 ALLEGHANY	1	9.00	15	24.83
4 ANSON	8	20.10	45	23.04
5 ASHE	3	9.93	18	13.14
6 AVERY	4	18.95	19	18.75
7 BEAUFORT	14	20.14	70	21.36
8 BERTIE	5	14.08	41	24.33
9 BLADEN	8	17.89	56	24.42
10 BRUNSWICK	11	22.31	64	22.88
11 BUNCOMBE	29	14.72	196	20.23
12 BURKE	4	4.20	73	15.88
13 CABARRUS	11	10.34	72	13.81
14 CALDWELL	12	12.82	96	20.21
15 CAMDEN	0	0.00	1	2.75
16 CARTERET	18	29.17	70	23.07
17 CASWELL	3	11.90	29	21.54
18 CATAWBA	18	12.21	133	18.15
19 CHATHAM	1	2.32	26	12.98
20 CHEROKEE	6	23.90	19	14.42
21 CHOWAN	4	19.32	14	15.57
22 CLAY	1	13.51	4	10.49
23 CLEVELAND	30	24.85	166	26.77
24 COLUMBUS	20	23.31	99	23.32
25 CRAVEN	25	17.25	145	19.56
26 CUMBERLAND	73	14.04	445	17.55
27 CURRITUCK	2	14.70	14	22.29
28 DARE	2	14.28	12	19.26
29 DAVIDSON	24	16.73	102	14.49
30 DAVIE	3	10.13	20	13.20
31 DUPLIN	11	18.00	50	16.13
32 DURHAM	33	16.16	161	16.25
33 EDGECOMBE	21	20.71	91	20.18
34 FORSYTH	35	11.62	260	17.27
35 FRANKLIN	12	35.08	41	23.09
36 GASTON	38	16.76	224	18.75
37 GATES	1	9.80	6	11.69
38 GRAHAM	0	0.00	3	5.98
39 GRANVILLE	8	18.91	54	25.09
40 GREENE	5	21.27	31	28.81
41 GUILFORD	68	16.28	388	19.29

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

MORTALITY STATISTICS FOR 1977 AND 1973-1977, NORTH CAROLINA RESIDENTS
INFANT MORTALITY (PER 1000 LIVE BIRTHS) CONT'D.

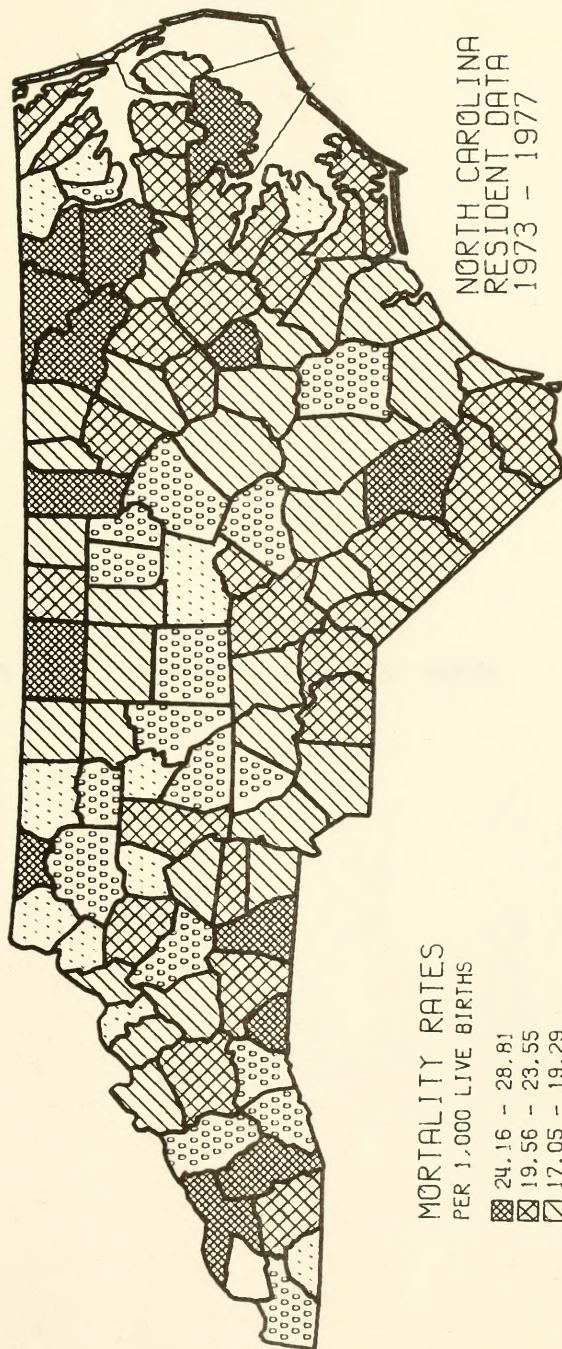
COUNTIES (CONT'D)	NUMBER OF DEATHS 1977	DEATH RATE* 1977	NUMBER OF DEATHS 1973-77	DEATH RATE* 1973-77
42 HALIFAX	16	18.18	119	25.99
43 HARNETT	8	8.04	72	15.13
44 HAYWOOD	10	20.87	42	15.40
45 HENDERSON	6	9.07	48	14.97
46 HERTFORD	10	25.31	44	24.30
47 HOKE	6	15.87	34	18.58
48 HYDE	2	25.31	10	25.83
49 IREDELL	13	12.28	113	20.92
50 JACKSON	5	17.85	35	24.37
51 JOHNSTON	17	16.63	89	18.11
52 JONES	2	13.24	14	19.15
53 LEE	12	19.35	54	19.83
54 LENOIR	10	11.22	87	18.79
55 LINCOLN	13	22.14	63	22.58
56 MCOOWELL	5	10.06	44	17.14
57 MACON	5	22.22	22	22.31
58 MADISON	5	25.90	18	18.36
59 MARTIN	15	36.40	38	19.06
60 MECKLENBURG	84	15.00	481	17.54
61 MITCHELL	1	5.43	9	10.58
62 MONTGOMERY	4	12.42	28	17.68
63 MOORE	12	17.39	64	19.61
64 NASH	15	14.13	92	18.19
65 NEW HANOVER	17	11.99	132	18.54
66 NORTHAMPTON	13	35.13	50	28.60
67 ONSLOW	52	18.36	231	18.35
68 ORANGE	11	12.89	64	16.07
69 PAMLICO	2	13.33	8	12.42
70 PASQUOTANK	7	16.31	43	21.46
71 PENDER	6	20.00	28	18.28
72 PERQUIMANS	0	0.00	7	12.54
73 PERSON	11	27.84	36	18.33
74 PITT	27	20.62	144	23.30
75 POLK	0	0.00	20	28.24
76 RANDOLPH	12	10.48	82	14.44
77 RICHMOND	8	12.01	78	22.53
78 ROBESON	44	21.73	214	21.41
79 ROCKINGHAM	22	19.38	140	24.16
80 ROWAN	17	14.22	86	14.92
81 RUTHERFORD	14	18.49	81	21.54
82 SAMPSON	17	21.33	71	19.02
83 SCOTLAND	12	19.67	58	19.79
84 STANLY	9	14.77	57	18.93
85 STOKES	8	20.61	35	17.05
86 SURRY	10	11.29	53	12.98
87 SWAIN	2	11.97	20	24.81
88 TRANSYLVANIA	4	13.74	23	15.71
89 TYRRELL	0	0.00	6	22.22
90 UNION	14	14.47	87	17.43
91 VANCE	11	19.23	50	17.92
92 WAKE	55	15.04	286	15.90
93 WARREN	4	15.20	22	18.91
94 WASHINGTON	1	3.87	25	20.32
95 WATAUGA	5	14.08	20	11.90
96 WAYNE	27	15.59	154	18.60
97 WILKES	8	10.00	65	16.48
98 WILSON	19	19.44	110	23.55
99 YADKIN	6	21.05	23	14.16
100 YANCEY	0	0.00	17	17.83

*SEE SECTION I

+AGE-RACE-SEX ADJUSTED (SEE SECTION I)

N.C. DEPARTMENT OF HUMAN RESOURCES, DIVISION OF HEALTH SERVICES
PUBLIC HEALTH STATISTICS BRANCH

INFANT MORTALITY



NORTH CAROLINA
RESIDENT DATA
1973 - 1977

MORTALITY RATES

PER 1,000 LIVE BIRTHS

- 24.16 - 28.81
- ▨ 19.56 - 23.55
- ▧ 17.05 - 19.29
- ▩ 13.81 - 16.48
- 10.49 - 13.20
- 2.75 - 5.98

FIGURE 28.A

V. TABLES AND FIGURES:
MULTIPLE CONDITIONS PRESENT AT DEATH,
1975-1977

TABLE 29
DEATHS BY SELECTED UNDERLYING CAUSE AND MENTIONED CONDITIONS
NORTH CAROLINA RESIDENTS, 1977

	Underlying Cause of Death	Total Deaths*	CONDITIONS MENTIONED ON DEATH CERTIFICATE																									
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1	Heart Disease	16,929	16,924	8,231	11,358	2,515	1,958	4,481	550	15	75	8	68	52	11	3	115	30	1,452	698	408	469	105	166	12	210	0	2
2	Acute Myocardial Infarction	8,217	8,217	4,567	964	431	1,783	221	8	25	2	35	26	4	2	66	15	376	149	103	128	44	97	6	101	0	3	
3	Other Ischemic Heart Disease	6,758	6,758	0	6,758	1,326	2,582	263	6	46	6	0	0	0	0	0	0	0	16	7	1	2	1	20	0	2	0	4
4	Hypertension	5,022	1,091	54	570	769	5,013	1,575	157	2	27	6	14	1	31	0	34	13	359	527	50	60	21	15	8	76	1	0
5	Cerebrovascular Diseases	6,226	0	0	0	0	6,226	20	0	3	0	1	3	0	0	0	3	0	36	89	9	9	4	6	0	13	0	6
6	Atherosclerosis	8,583	1,442	60	519	172	250	298	8,583	300	974	469	2,024	749	158	231	535	367	217	508	112	151	19	33	0	165	0	8
7	Cancer	295	43	0	19	3	3	13	295	295	952	0	1	0	0	0	1	0	16	9	5	5	0	0	0	3	0	0
8	Cancer of the Stomach	132	15	0	1	0	0	2	132	95	4	0	0	0	0	0	1	4	2	30	27	5	6	2	3	0	24	0
9	Cancer of the Colon and Rectum	468	70	5	24	8	11	21	468	0	2	468	0	3	0	0	3	0	19	9	3	2	5	0	0	12	0	10
10	Cancer of the Lung	2,006	360	19	135	27	42	61	2,006	0	8	0	2,006	1	0	1	10	3	35	151	67	90	7	2	0	31	0	11
11	Cancer of the Trachea, Bronchus and Lung	733	99	3	24	21	16	15	733	0	2	0	2	733	1	0	0	0	17	20	0	1	0	1	0	14	0	0
12	Female Breast Cancer	154	32	0	7	5	4	3	154	0	0	0	0	0	0	154	0	0	7	1	0	0	0	1	0	5	0	0
13	Cancer of the Cervix Uteri	227	29	1	5	3	2	3	227	0	1	0	0	4	0	227	0	0	9	9	2	0	1	2	0	2	0	0
14	Cancer of the Endometrium	510	90	4	48	12	25	34	510	1	0	0	3	0	0	0	510	1	15	33	3	4	0	3	0	9	0	15
15	Cancer of the Prostate	343	80	4	28	4	42	8	343	0	1	0	1	1	0	1	0	343	13	39	4	6	1	5	0	4	0	16
16	Leukemia	487	200	316	167	192	220	24	0	3	0	0	8	1	1	5	1	820	55	2	9	9	39	0	21	0	17	0
17	Diabetes Mellitus	1,440	487	200	316	167	192	220	24	0	3	0	0	8	1	1	5	1	820	55	2	9	9	39	0	21	0	17
18	Chronic Bronchitis	1,487	209	23	70	10	14	37	27	1	1	1	6	2	0	0	6	2	15	72	487	99	3	3	0	9	0	19
19	Bronchitis, Emphysema and Asthma	581	305	21	98	17	18	44	41	1	1	0	11	4	1	0	6	2	20	105	0	581	6	7	0	11	0	20
20	Obstructive Lung Disease	718	142	6	27	15	7	12	10	0	1	0	2	0	0	1	0	27	41	10	4	702	5	0	11	0	20	0
21	Cirrhosis of the Liver	309	124	11	44	65	39	29	11	1	0	0	1	0	0	0	5	1	20	17	6	9	3	308	0	11	0	23
22	Nephritis and Nephrosis	1,440	70	3	9	2	12	2	2	0	0	0	0	0	1	0	0	0	1	14	2	0	1	1,440	12	0	0	23
23	Motor Vehicle Accidents	1,663	221	23	71	27	60	48	28	1	4	1	7	2	0	2	1	1	30	107	15	7	29	8	1	1,472	1	0
24	Accidents Excluding Motor Vehicles	732	18	1	4	1	4	0	5	0	0	0	0	0	0	0	0	2	0	4	4	6	2	1	0	732	0	0
25	Suicide	632	15	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	1	10	2	0	2	0	3	0	632	0
26	Homicide	46,593	23,456	8,810	13,870	4,205	8,211	8,133	9,766	331	1,118	493	2,179	854	179	240	757	441	3,312	4,094	1,254	1,542	1,038	762	1,478	2,461	737	636
TOTAL DEATHS**																												

*Numbers shown here are the final underlying frequencies. They are sometimes larger than numbers shown on the diagonal due to the fact that a sequence of conditions may imply an underlying cause that is not specifically mentioned on the death certificate.

**Differences between these totals and the summation over causes are attributable to causes not given in the table.

NOTE: In this table, a death is counted only once in a condition category although several conditions within the category may have been reported or a single condition may have been recorded more than once on the death certificate.

TABLE 30

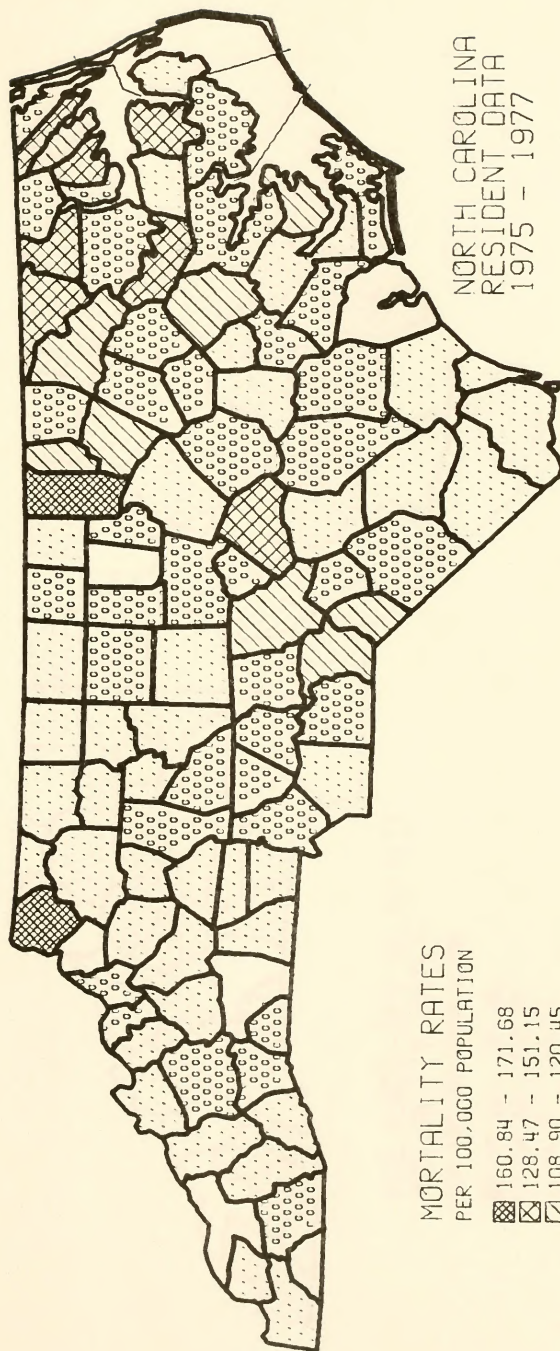
DEATHS BY MENTIONED CONDITIONS
NORTH CAROLINA RESIDENTS, 1977

Condition Mentioned on Death Certificate	CONDITIONS MENTIONED ON DEATH CERTIFICATE																									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1 Heart Disease	23,456	8,810	13,870	3,198	3,464	5,956	2,195	64	238	81	463	171	46	35	246	122	2,299	1,649	747	976	313	393	84	565	18	17
2 Coronary Artery Disease	23,456	8,810	13,870	3,198	3,464	5,956	2,195	64	238	81	463	171	46	35	246	122	2,299	1,649	747	976	313	393	84	565	18	17
3 Other Ischemic Heart Disease	13,870	4,771	13,870	2,506	2,474	4,720	986	30	125	33	189	71	13	8	170	51	1,644	945	454	582	192	205	45	7	4	
4 Hypertension	3,198	1,031	2,506	4,205	1,481	1,132	268	5	34	9	31	8	7	42	7	715	212	84	888	36	174	2	61	1	0	
5 Cardiovascular Diseases	3,664	523	2,474	1,481	2,735	479	5	55	17	65	34	4	4	79	58	808	984	101	136	39	87	21	161	5	4	
6 Atherosclerosis	5,956	1,890	4,720	1,132	2,735	8,133	156	17	70	27	89	43	6	3	102	18	963	807	212	272	53	107	4	135	1	
7 Cancer	2,195	293	986	268	479	558	9,766	331	1,118	493	2,179	854	179	240	757	441	298	663	166	222	52	54	2	211	5	
8 Cancer of the Stomach	2,195	293	986	268	479	558	9,766	331	1,118	493	2,179	854	179	240	757	441	298	663	166	222	52	54	2	211	5	
9 Cancer of the Colon and Rectum	238	40	125	34	55	70	1,118	4	1,118	3	12	4	2	2	6	3	46	47	9	11	3	5	0	27	0	
10 Cancer of the Pancreas	81	8	33	9	17	27	493	0	3	493	0	3	0	3	0	20	13	4	3	6	2	0	14	0	0	
11 Cancer of the Trachea, Bronchus and Lung	463	55	189	31	65	89	2,179	1	12	0	2,179	3	0	1	17	4	42	175	79	104	7	4	0	40	0	
12 Female Breast Cancer	171	25	71	31	34	43	854	0	4	3	3	854	2	4	0	1	32	30	3	6	2	0	1	19	0	
13 Cancer of the Cervix Uteri	46	4	13	8	4	6	179	0	2	0	0	2	179	0	0	0	11	2	0	1	0	1	0	5	0	
14 Cancer of the Ovary, Fallopian Tube and Broad Ligament	35	1	8	7	4	3	240	0	2	0	1	4	0	240	0	1	11	12	2	0	1	2	0	3	0	
15 Cancer of the Prostate	246	50	170	42	29	102	757	2	6	3	17	0	0	0	757	2	31	72	14	21	1	10	0	14	2	
16 Leukemia	122	19	51	7	58	18	441	0	3	0	4	1	0	1	2	441	18	53	10	9	1	6	1	6	0	
17 Diabetes Mellitus	2,299	956	1,644	715	808	963	298	8	46	20	42	32	11	11	31	18	3,312	277	48	63	50	62	3	73	4	
18 Influenza and Pneumonia	1,649	188	945	212	984	807	663	14	47	13	175	30	2	12	72	53	2,777	4,094	163	205	90	69	15	161	4	
19 Bronchitis, Emphysema and Asthma	747	192	454	84	101	212	166	5	9	4	179	3	0	2	14	10	48	163	1,254	142	30	19	2	36	6	
20 Obstructive Lung Disease	976	205	582	88	136	272	222	8	11	3	104	6	1	0	21	9	63	205	142	1,542	17	24	0	36	2	
21 Kidney Disease	313	45	122	36	39	53	52	5	3	6	7	2	0	1	1	1	50	90	30	17	1,038	19	1	53	2	
22 Nephritis and Nephrosis	383	62	196	174	87	107	54	1	5	2	4	0	1	2	10	6	82	69	19	24	19	762	1	35	1	
23 Motor Vehicle Accidents	84	7	16	2	21	4	2	0	0	0	0	1	0	0	0	1	3	15	2	0	1	1,478	13	0	0	
24 Accidents Excluding Motor Vehicles	565	74	249	61	161	135	211	6	27	14	40	19	5	3	14	6	73	161	36	36	53	35	13	2,461	5	
25 Suicide	18	1	4	1	5	1	5	0	0	0	0	0	0	0	0	0	4	6	2	2	1	0	0	5	737	
26 Homicide	17	0	4	1	5	1	5	0	0	0	0	0	0	0	0	0	1	10	2	0	3	0	0	3	0	
TOTAL DEATHS*	23,456	8,810	13,870	4,205	8,133	9,766	331	1,118	493	2,179	854	179	240	757	441	298	663	1,644	1,254	1,542	1,038	762	1,478	2,461	737	

*Differences between these totals and the summation over causes are attributable to causes not given in the table

NOTE: In this table, frequencies do not include implied conditions as do the underlying frequencies of Table 29.

MULTIPLE CONDITIONS: HYPERTENSION



MORTALITY RATES
PER 100,000 POPULATION

- 160.84 - 171.68
- 128.47 - 151.15
- 108.90 - 120.45
- 78.24 - 102.49
- 47.56 - 75.62
- 25.68 - 41.81

FIGURE 29.A

MULTIPLE CONDITIONS: HYPERTENSION

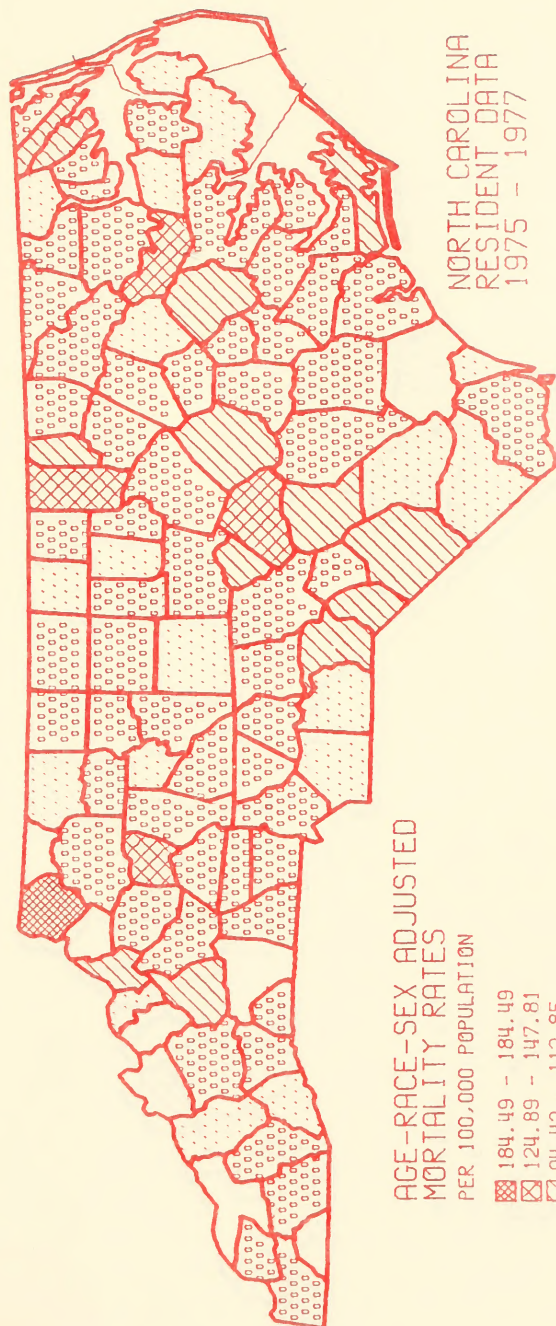
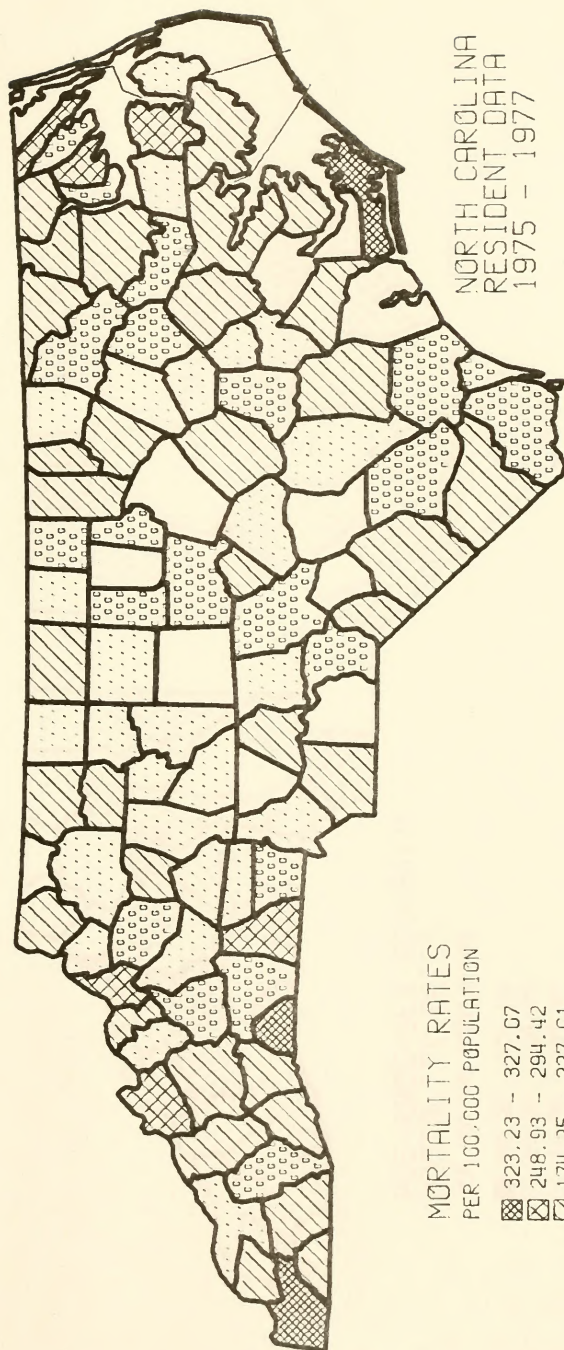


FIGURE 29.B.

MULTIPLE CONDITIONS: ARTERIOSCLEROSIS



NORTH CAROLINA
RESIDENT DATA
1975 - 1977

MORTALITY RATES
PER 100,000 POPULATION

- 323.23 - 327.07
- 248.93 - 294.42
- 174.25 - 227.01
- 147.33 - 172.84
- 109.39 - 145.11
- 47.96 - 102.99

FIGURE 30.A

MULTIPLE CONDITIONS: ARTERIOSCLEROSIS

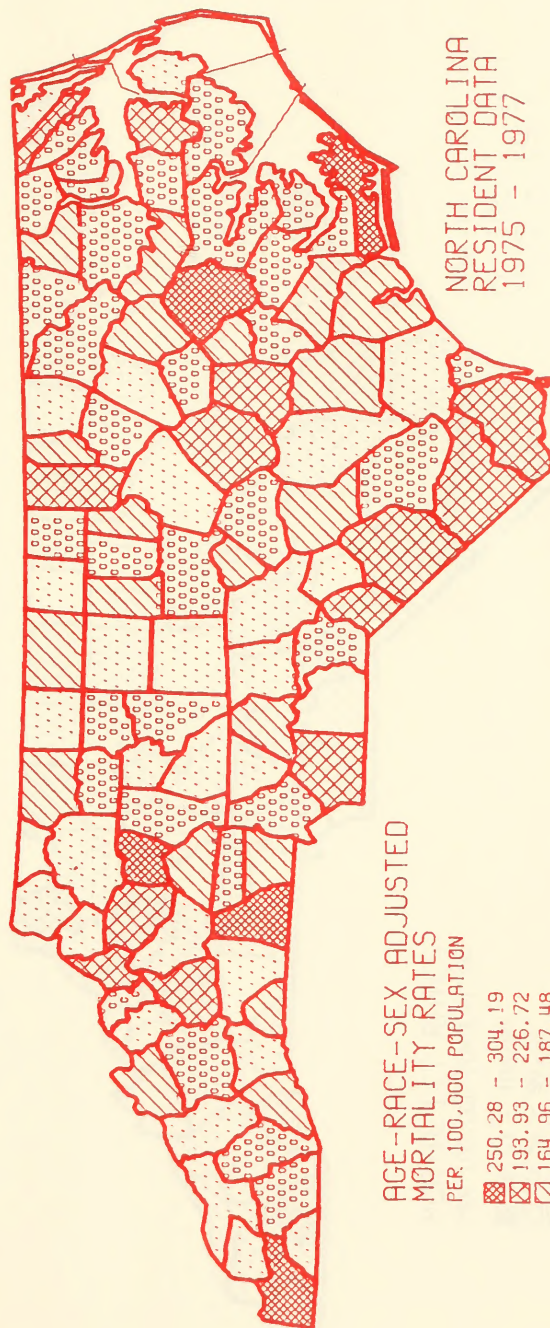


FIGURE 30.B

MULTIPLE CONDITIONS: DIABETES MELLITUS

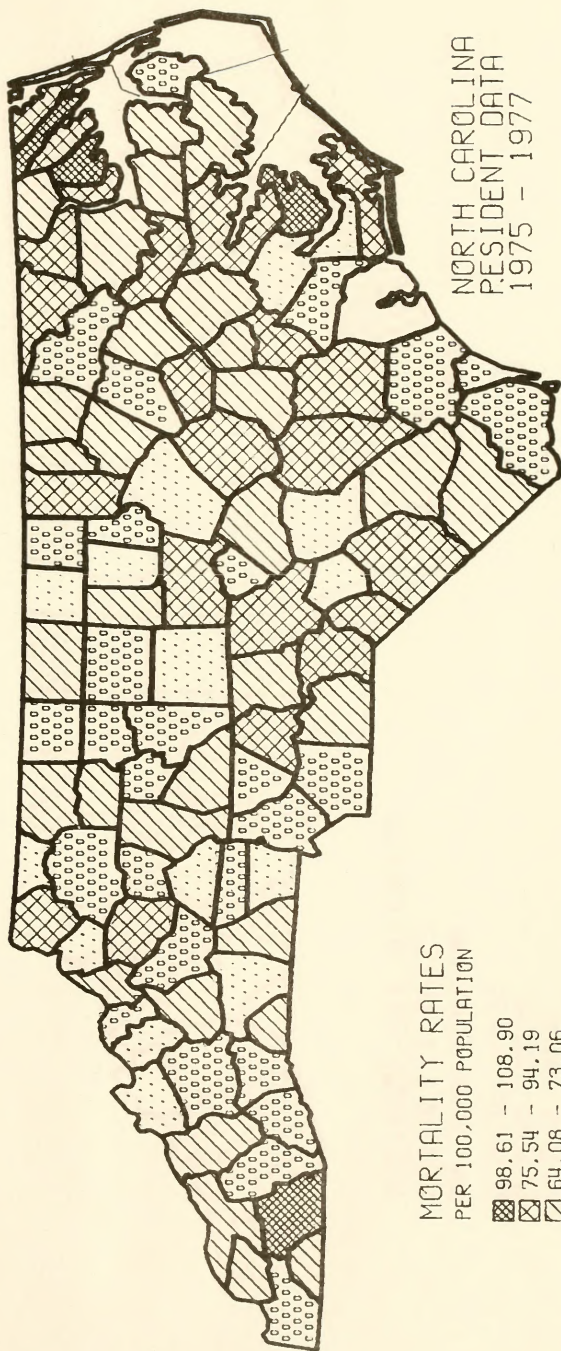


FIGURE 31.A

MORTALITY RATES
PER 100,000 POPULATION

- 98.61 - 108.90
- 75.54 - 94.19
- 64.08 - 73.06
- 51.46 - 63.24
- 34.31 - 49.16
- 19.80 - 19.80

MULTIPLE CONDITIONS: DIABETES MELLITUS

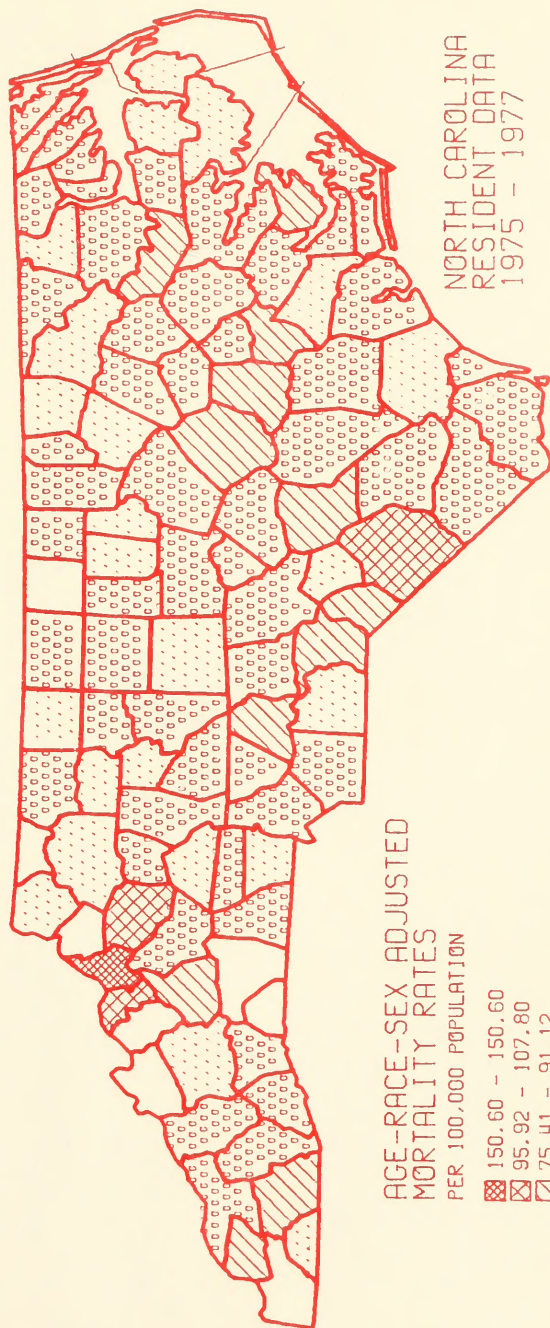


FIGURE 31.B



